

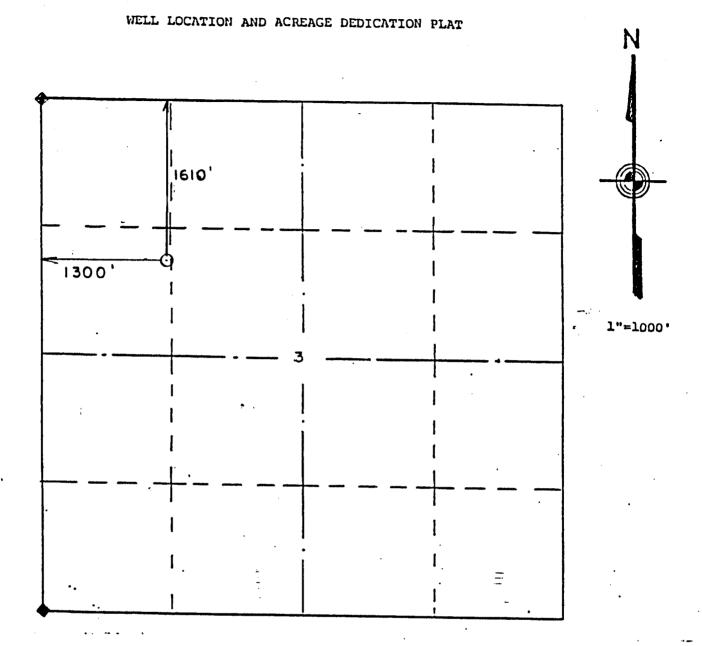
STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING

Other instructions on	
reverse side)	

5. Lease Designation and Serial No.

	·	•			U-47876	
APPLICATION	FOR PERMIT TO	DRILL, DEE	PEN, OR PLUG	BACK	6. If Indian, Allottee of	r Tribe Name
la. Type of Work					N/A	
DRILL b. Type of Well		DEEPEN []	PLUG B	BACK 🔲 -	7. Unit Agreement Nam	
Oil Well KX Gas Well	. 🗀		Single XX M	altiple [7]	8. Farm or Lease Nam	
		1777 S Harr	ison St., PH 1	one L	Cave Canyor	
Raymond T. Du	ncan	Denver, CO		-	9. Well No.	reuerai
3. Address of Operator 30		13585 Ĵacksc			#12-3	
Permitco Inc.	- Agent	Denver CO	80241	•	10. Field and Pool, or \	Vildeat
4. Location of Well (Report At surface			ite requirements.*)		Cave Canyor	Field 3013
	FNL and 1300' FW	Ł			11. Sec., T., R., M., or and Survey or Area	Bik.
At proposed prod. zone	SW NW Sec. 3					o polm
14. Distance in miles and d	irection from nearest town	or post office*			Sec. 3, T38	5 - K24E 13. State
32 miles sout	heast of Montice	llo. Utah			San Juan	Utah
location to nearest		16.	No. of acres in lease	17. No. of to this	acres assigned	<u> </u>
property or lease line, f (Also to nearest drlg, lin	e, if any) ZU'X		1289.44	to this	40	•
 Distance from proposed to nearest well, drilling, 	location* completed, ease, ft. approx. 900	19.	Proposed depth	20. Rotary	or cable tools	
or applied for, on this le	ase, ft. approx. 900		6000'ISMY	Ro	tary	
5342 GR	r Dr., Kr., GR., etc.)		_		22. Approx. date wor	
23.						y upon approval
	PR	OPOSED CASING A	NI) CEMENTING PROGR	AM	or this ap	plication.
Size of Hole	Size of Casing	Weight per Foot	Setting Depth		Quantity of Cemen	t
17-1/2"	13-3/8"	48#	120'		urface.	
12-1/4" 7-7/8"	8-5/8'' 5-1/2''	24#	2000'			to circ to surf
7-770	5-1/2	15.5#	6000'		sx or suffic t nterest.	o cover zones
productive, casi and abandoned as See Onshore Orde * Location is st	epr BLM and Sta	te of Utah r	equirements.		E@Envi	plugged
					OCT 29 1990	(رنة لم
\sim	MILIDE	NITIA	1		1 10 0 1000	
)NFIDE	INTIA	L .	4	DIVISION OF	
			-	ţ	JIL, GAS & MINING	
IN ABOVE SPACE DESCR ductive zone. If proposal is preventer program, if any.	IBE PROPOSED PROGRAM to drill or deepen direction	I: If proposal is to ally, give pertinent c	deepen or plug back, give lata on subsurface location	data on presens and measur	nt productive zone and ed and true vertical dep	proposed new pro- ths. Give blowout
24.	(/1)		Consultant for			***************************************
Signed Signed	7) Smil		Raymond T. Dunc	an	Date 10	['] 28/90
(This space for Federal c	or State office use)		The first of transformer is a second or people of second or people of the second or claims. See all definitions			
Permit No. 43 -	237.31567				OVED BY THE	STATE
Permit No.			Approval Date	OF (JTAH DIVISIO	NOF
Approved by		Title		OIL,	GAS, AND M	ining/
Conditions of approval, i		• F4 35°		DATE: Z) A DRIE	11/5/90
				BY.	XXXX	en ji na na kata na najakeng g
				MELLE	TOTAL CAN	of migal Ilia
		*See Instruction	s On Reverse Side	WELL	TAUNUS: LAN	ELANJAN WN((



WELL LOCATION DESCRIPTION:
R. T. DUNCAN, Cave Canyon 12 - 3
1610'FNL & 1300'FWL
Section 3, T.38 S., R.24 E., SLM
San Juan, UT.
5342' ground elevation

The above plat is true and correct to my know

21 October 1990

knowledge 57.05 be lief

Geralden Huddleston, LS

CONFIDENTIAL - TIGHT HOLE

ONSHORE OIL & GAS ORDER NO. 1

Approval of Operations on Onshore Federal and Indian Oil and Gas Leases

CAVE CANYON FEDERAL #12-3
1610' FNL and 1300' FWL
Section 3, T38S - R24E
San Juan County, Utah

Prepared For:

RAYMOND T. DUNCAN

By:

PERMITCO INC. 13585 Jackson Drive Denver, Colorado 80241 303/452-8888

Copies Sent To:

- 4 BLM Moab, Utah
- 1 BLM Monticello, Utah
- 1 Div. of Oil, Gas & Mining SLC, Utah
- 3 Raymond T. Duncan Denver, CO



DUNCAN ENERGY COMPANY

PERMITTIONS ONE

1777 SOUTH HARRISON STREET DENVER, COLORADO, 80210, 3925 TREEPHONE (303) 759, 3303 FAX (303) 757, 9252

October 26, 1990

U. S. Department of the Interior Bureau of Land Management P.O. Box 970 Moab, Utah 84532

RE:

Cave Canyon #12-3 1300' FWL 1610' FNL Section 3-T38S-R24E San Juan County, Utah

Gentlemen:

This letter is to inform you that Permitco Inc. is authorized to act as Agent and to sign documents on behalf of Duncan Energy Company when necessary for filing County, State, and Federal permits including Onshore Order No. 1, Right-of-Way applications, etc. for the above captioned well.

It should be understood that Permitco is acting as Agent only in those matters stated above and is not responsible for drilling, completion, production or compliance with regulations.

Duncan Energy Company agrees to accept full responsibility for operations conducted in order to drill, complete and produce the above captioned well.

Sincerely,

DUNCAN ENERGY COMPANY

W. S. Fallin

Production Manager

W. S. Falli

WSF/bw

Form 3160-3 (November 1983) (formerly 9-331C)

SUBMIT IN TRI (Other instructions on reverse side) **UNITED STATES** DEDARTMENT OF THE INTERIOR

Form approved. Budget Bureau No. 1004-0136 Expires August 31, 1985

	BUREAU OF	LAND MANAG	EMENT		5. LEASE DUBIGNATION U-47876	
APPLICATION	Y FOR PERMIT	O DRILL, I	DEEPEN, OR PLUG E	BACK	6. IF INDIAN, ALLOTTE	OR TRIBE NAME
TYPE OF WORK					N/A	
DRI	ILL 🖾 ,	DEEPEN [☐ PLUG BA	CK 🗌	7. UNIT AGREEMENT N	AMB
. TYPE OF WELL	•				Cave Canyon 8. FARM OR LEASE NA	Unit
well && w	AB OTHER		SINGLE XX MULTIS	'LE	8. FARM OR LEASE NA	K)
NAME OF OPERATOR	303/759-3303	1777 S.	Harrison St., Penth	ouse 1	Cave Canyon	Federal
Raymond T. Du	ncan		CO 80210		9. WELL NO.	
ADDRESS OF OPERATOR			ckson Dr ive		#12-3	
Permitco Inc.	- Agent	Denver,	CO 80241 h any State requirements.*)		10. FIELD AND POOL,	R WILDCAT
LOCATION OF WELL (R. At suriace	eport location clearly and	in accordance wit	h any State requirements.*)		Cave Canyon	Field
16	10' FNL and 130	O' FWL			11. SEC., T., R., M., OR AND SURVEY OR A	BLK.
At proposed prod. son	le					
	SW NW Sec.	•			Sec. 3, T38	
	AND DIRECTION FROM NEAD		r office.	•	12. COUNTY OR PARISH	18. STATE
	heast of Montic	ello, Utah			San Juan	Utah
D. DISTANCE FROM PROPO LOCATION TO NEAREST	T		16. NO. OF ACRES IN LEASE		OF ACRES ASSIGNED HIS WELL	
PROPERTY OR LEASE ! (Also to nearest drig	.INE, FT. g. unit line, if any)	20'*	1289.44		40	
B. DISTANCE FROM PROP	COSED LOCATION®		19. PROPOSED DEPTH	20. ROTA	RY OR CABLE TOOLS	
OR APPLIED FOR, ON THE	us lasse, pr. approx.	900'	6000'	Re	otary	
. ELEVATIONS (Show who	ether DF, RT, GR, etc.)	Pt. 1			22. APPROX. DATE WO	DEK WILL START*
5342' GR					Immediately	upon approva
	F	ROPOSED CASIN	G AND CEMENTING PROGR	AM	of this appl	
	SIZE OF CABING	WEIGHT PER FO	OOT SETTING DEPTH	1	QUANTITY OF CEME	NT
SIZE OF HOLE						
17-1/2"	13-3/8"	48#	120'	To sur	rrace.	
17-1/2" 12-1/4"	13-3/8'' 8-5/8''	48#	2000	-		o circ to su
17-1/2"	I		20001	1100	sx or suffic to cor suffic to	

I hereby certify that Raymond T. Duncan is authorized by proper lease interest owners to conduct lease operations associated with this application. Bond coverage for

* Location has been staked at non-standard spacing due to severe topography.

lease activities is provided by the Operator, Raymond T. Duncan.

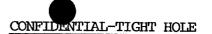
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive sone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout

reventer program, if any,		
81GNER SULLA & SMILL	Consultant for Raymond T. Duncan	DATE 10/28/90
(This space for Federal or State office use)		
PERMIT NO.	APPROVAL DATE	
APPROVED BY	TITLE	DATE

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DRILLING PROGRAM

Page 1

ONSHORE OIL & GAS ORDER NO. 1 Approval of Operations on Onshore Federal and Indian Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

1. The surface formation and estimated formation tops to be encountered are as follows:

Formation	Depth	Subsea
Morrison	Surface	
Entrada	810 '	+4550'
Navajo	1010'	+4350'
Windgate	1440'	+3930'
Chinle	1890'	+3470'
Shinarump	2580 '	+2780
Cutler	2745'	+2615'
Hermosa	4455'	+ 905'
Upper Ismay	5730 '	- 370 '
Massive Anhydrite	. 5755 '	- 395'
Mound Carbonate	5780 '	- 420'
Carbonate Porosity	5785 '	- 4251
Hovenweep Shale	5875 '	- 515'
Lower Ismay	5915 '	- 555'
Gothic Shale	5965 '	- 605'
T.D.	6000'	- 640'
		040

2. The estimated depths at which oil, gas, water or other mineral bearing zones are expected to be encountered are as follows:

Substance	Formation	Anticipated Depth
Oil	Ismay	5730'



DRILLING PROGRAM

Page 2

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth cased and cemented. All oil and gas shows will be tested to determine commercial potential.

 Pressure control equipment will consist of a 10", 3000# BOP. (See BOP Diagram attached.)

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily o ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

4. a. Casing

If unconsolidated rock is encountered, conductor shall be set ten (10) feet into underlying bedrock with cement circulated to surface.

The proposed casing program is as follows:

							TAGM
Purpose	Donth	Holo Cimo	0.5	T.74.	O 1	•	or .
	<u>Depth</u>	Hole Size		Wt.	<u>Grade</u>	Type	Used
Conductor	0-120'	17-1/2"	13-3/8"	48#	-		New
Surface*	0-2000 '	12-1/4"	8-5/8"	24#	K-55	ST&C	New
Produc.	0-6030 '	7-7/8"	5-1/2"	15.5#	K-55	LT&C	New

Surface casing shall be set at least 50 feet into the Chinle Formation regardless of the depth of the Chinle.

b. Cement

The cementing program will be as follows:



Motor

CONFIDENTIAL-TIGHT HOLE

DRILLING PROGRAM

Page 3

Conductor 0-120'

Type and Amount

Sufficient to circulate to surface

Surface 0-2000'

Type and Amount

1100 sx or sufficient to circulate to

surface.

Production

Type and Amount

400 sx or - sufficient to cover zones

of interest.

Anticipated cement tops will be reported as to depth, not the expected number of sacks.

- c. Auxiliary Equipment will be as follows:
 - 1. Kelly cock.
 - 2. Float above the bit
 - 3. A sub with a full opening valve will be on the floor when the kelly is not in use.
- 5. Drilling fluid will be as follows:

<u>Interval</u>	Mud Type	Mud Wt.	Visc.	F/L PH
0-4000'	Natural	9.0-9.2	35	10-20
4000-T.D.	Chem. Gel	9.2-9.5	45	10 thru pays

Operations will be conducted in accordance with ONSHORE OIL & GAS ORDER NO. 2; DRILLING OPERATIONS, except where advance approval for a variance has been obtained.

- 6. Coring, logging and testing programs are as follows:
 - a. No cores are anticipated.
 - b. The logging program will consist of the following: A DIL-SP-GR will be from from base of surface casing to T.D. A BHC-CAL-GR and CNL-LDT-CAL-GR will be run from 4200' to T.D. A GR will be run inside of surface casing.



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San Juan County, Utah

DRILLING PROGRAM

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c. No drill stem tests are anticipated.

Whether the well is completed as a dry hole or as a producer, "Well Completion or Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1(b). Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Moab District Manager.

- Abnormal conditions, bottom hole pressures and potential hazards.
 - a. The maximum bottom hole pressure to be expected is 950 psi.
- 8. Anticipated Starting Dates and Notifications of Operations
 - a. Raymond T. Duncan plans to spud the Cave Canyon Federal #12-3 immediately upon approval of this application and intends to complete the well within approximately one month after the well has reached T.D.
 - b. Required verbal notifications are summarized in Table I, attached. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within twenty four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.
 - c. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with Minerals Management Service.



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- d. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.
- e. If a replacement rig is needed for completion operations, a Sundry Notice (Form 3160-5) to that effect will be filed for prior approval from the District Office, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations, verbal approval to bring on a replacement rig will be approved through the District Office.
- f. Should the well be successfully completed for production, the District Manager will be notified when the well is placed in producing status. Such notification will be sent by telegram or other written communication, not later than five (5) business days following the date on which the well is placed on production.
- g. A first production conference may be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.
- h. A Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.
- i. Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office Approval pursuant to guidelines in NTL-4A.
- j. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6(d) and Onshore Oil and Gas Order No. 2.

Permitco

CONFIDENTIAL-TIGHT HOLE

DRILLING PROGRAM

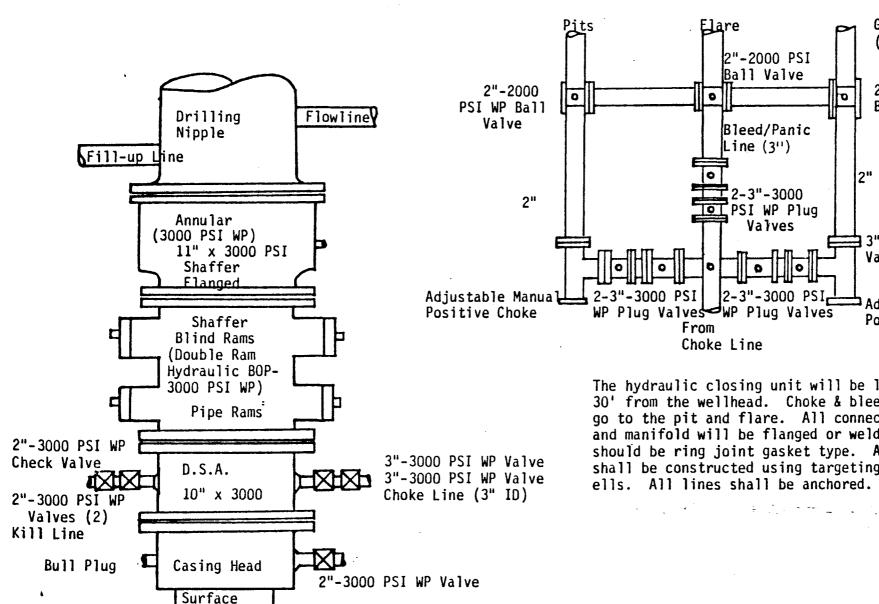
Page 6

k. The following minimum information will be permanently placed on the marker with a plate, cap, or beaded-on with a welding torch:

Well name and number, location by $1/4\ 1/4$ section, township and range, Lease number and operator.



Casing



The hydraulic closing unit will be located more than 30' from the wellhead. Choke & bleed/panic lines will go to the pit and flare. All connections in choke line and manifold will be flanged or welded. All flange should be ring joint gasket type. All turns in lineshall be constructed using targeting 90 tees or block

Gas Buster

Ball Valve

(if available)

2"-2000 PSI WP

3"-3000 PSI WP Plug

Adjustable Manual

Valve w/Gauge

Positve Choke

SURFACE USE PLAN

Page 1

Thirteen Point Surface Use Plan

1. Existing Roads

- a. The proposed well site is located 32 miles southeast of Monticello, Utah.
- b. Directions to the location from Monticello are as follows:

From the south edge of town go South on Highway 191 for 11.6 mile. Turn left (east) Alkali #204 (County Road) and proceed east and south for 3.1 miles to a fork in the road. Turn left and continue on Alkali #204 in a southeasterly direction for an additional 15 miles. Turn left (east) onto Perkins Road #206 and proceed 2.0 miles. Turn north onto an existing oilfield road and proceed approximately 1/2 mile. Turn right onto new access road (flagged) and proceed through the proposed Cave Canyon #3-4 wellpad and north and east for a total of 2000 feet to the location.

- c. The roads in the area are primarily county roads. See Map #1.
- d. Improvement to the existing access will not be necessary.
- e. All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.
- f. An encroachment permit will be obtained from the San Juan County Road Department, 801/587-2231, ext. 43.

2. Planned Access Roads

- a. There will be approximately 2000 feet new access. This access was flagged at the time of staking. The road will be approximately 16 feet wide and will be flatbladed.
- b. The maximum total disturbed width will be 30 feet.



SURFACE USE PLAN

Page 2

- c. The maximum grade will be 8%.
- d. No turnouts will be necessary.
- e. One 24" x 40' culvert will be installed at the #3-4 wellpad.
- f. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance by the surface owner.
- g. The access road (including any existing non-county) road will be brought to Resource (Class III) Road Standards by meeting the minimum design requirements within sixty (60) days of completion of drilling operations.
- h. All topsoil from the access road will be reserved in place.
- 3. <u>Location of Existing Wells Within a 1-Mile Radius of the Proposed Location.</u> (See Map #1).
 - a. Water Wells one
 - b. Injection or disposal wells one
 - c. Producing Wells six
 - d. Drilling Wells none
- 4. Location of Tank Batteries and Production Facilities.
 - a. All permanent structures (onsite for six months or longer) will be painted a neutral, nonreflective, (Juniper Green) color to blend into the surrounding area, except for those required to comply with the Occupational Safety and Health Act (OSHA) or written company safety manual or documents.



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SURFACE USE PLAN

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- b. If a tank battery is constructed on this location, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the largest tank; all load lines and valves will be placed inside the dike surrounding the tank battery.
- C. All site security guidelines identified in 43 CFR 3162.7-5 and ONSHORE OIL & GAS ORDER NO. 3; SITE SECURITY will be adhered to.
- d. Gas measurement will be conducted in accordance with the ONSHORE OIL & GAS ORDER NO. 5; GAS MEASUREMENT and 43 CFR 3162.7-3.
- e. Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and downstream for the remainder of the pad. Meter runs will be housed and/or fenced.
- f. Oil measurement will be conducted in accordance with ONSHORE OIL & GAS ORDER NO. 4; OIL MEASUREMENT as of the effective date of August 23, 1989 and 43 CFR 3162.7-2.
- g. If the well is productive, the production facilities will be located at a central tank battery located at the Cave Canyon #3-2 in the NE SW Section 3, T38S - R24E, San Juan County, Utah.
- h. Any necessary pits will be properly fenced to prevent any wildlife entry. The production pit will be flagged overhead.

5. Location and Type of Water Supply

- a. All water needed for drilling purposes will be obtained from the Cave Canyon Water Source well located approximately 80 feet SW of the Cave Canyon #3-2 producing well. Other water may be obtained from the Richard Gore Artesian wells.
- b. Water will be trucked to location over the county roads in the area.



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- c. No water well is to be drilled on this lease.
- d. Use of water for this operation will approved by obtaining a temporary use permit from the Utah State Engineer, in Price, Utah, 801/637-1303.
- e. Water obtained on private land, or land administered by another agency, will require approval from the owner or agency for use of the land.

6. Source of Construction Material

- a. Road surfacing material will be obtained from on-site and in place materials.
- b. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.

7. Methods for Handling Waste Disposal

- a. The reserve pit will be constructed with at least 1/2 of the capacity in cut material and will be lined with 24 tons of bentonite.
- b. Three sides of the reserve pit will be fenced within 24 hours after completion of construction and the fourth side within 24 hours after drilling operations cease with four (4) strands of barbed wire, or woven wire topped with barbed wire to a height of not less than four (4) feet. The fence will be kept in good repair while the pit is drying.
- c. No liquid hydrocarbons (i.e. fuels, lubricants, formation) will be discharged to the reserve pit.
- d. No chrome compounds will be on location.
- e. All trash will be placed in a trash basket and hauled to a county refuge facility as necessary. No burning will be allowed.



SURFACE USE PLAN

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f. Produced waste water will be confined to the reserve pit for a period not to exceed ninety (90) days after initial production. During the 90-day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to NTL-2B.

8. Ancillary Facilities

a. There are no airstrips, camps, or other facilities planned during the drilling of the proposed well.

9. Well Site Layout

- a. See Diagram #1 for rig layout. See Diagram #2 for cross section of drill pad. See Diagram #3 for cuts and fills.
- b. The location of mud tanks; reserve, trash cage; pipe racks; living facilities and soil stockpiles will be shown on Diagrams #1 and #3. The location will be laid out and constructed as discussed during the predrill conference.
- c. Topsoil from the location will be stored on the uphill side of the location furnishing a water berm. Topsoil from the reserve pit will be placed north of the pit.
- d. Access to the well pad will be as shown on Map #1.

10. Reclamation

- a. Within 24 hours of completion of drilling, the location and surrounding area will be cleared of all remaining debris, materials, and junk not required for production.
- b. As soon as the reserve pit has dried or within eighteen (18) months whichever is least, all areas not needed for production (including access road) will be filled in, recontoured to approximately natural contours and as much topsoil as was



SURFACE USE PLAN

Page 6

removed, will be replaced leaving enough for future restoration (unless the well is a dry hole). The remaining topsoil (if any) will be stableized and seeded in place. If the well is a dry hole, the location and access road will be rehabilitated in total.

- c. The area will be seeded between October 1 and February 28 with:
 - 8 lbs/acre Crested wheatgrass
 - 6 lbs/acre Fourwing saltbush
 - 2 lbs/acre Forage Kochia
 - 5 lbs/acre Bottlebrush squirreltail

Seed will be broadcast followed by a light harrowing. If the seed is drilled, the seeding rate may be 75% of the above rates.

- d. Water control measures (i.e. contour furrowing, waterbars, etc.) may be needed at the time of reclamation if required by the A.O.
- e. The reserve pit and that portion of the location and access road not needed for production and production facilities will be reclaimed.

11. a. Surface Ownership

Bureau of Land Management

b. Mineral Ownership

Bureau of Land Management

12. Other Information

a. There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be observed. All wells, wheter drilling producing, suspended, or abandoned and/or separate facilities, will be identified in accordance with 43 CFR 3162.6.



SURFACE USE PLAN

Page 7

- b. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.6.
- c. The dirt contractor will be provided with an approved copy of the surface use plan.
- d. An archeological study was conducted by LaPlata Archaeological Consultants. No significant cultural resources were found and clearance is recommended. One site was previously recorded and will be avoided by the access route. A copy of this report will be submitted directly by LaPlata Archeological Consultants.
- e. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:
 - whether the materials appear eligible for the National Register of Historic Places:
 - the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and,
 - a timeframe for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.
- f. If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural quidelines for the conduct of



SURFACE USE PLAN

Page 8

mitigation. Upon verification from the AO that the required mitigation has been completed, the operator will then be allowed to resume construction.

- g. This permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.
- h. If at any time the facilities located on public lands authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change) the BIM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental, or other financial obligation determined by the authorized officer.
- i. Be advised that Raymond T. Duncan is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.
- j. Bond coverage for this well is provided by BLM Bond UT0271 (Principal Raymond T. Duncan) via surety consent as provided for in CFR 3104.3.

13. Lessee's or Operator's Representative and Certification

Permit Matters
PERMITCO INC.
Lisa L. Smith
13585 Jackson Drive
Denver, CO 80241
303/452-8888

Drilling & Completion Matters
RAYMOND T. DUNCAN
1777 S. Harrison St.
Penthouse One
Denver, CO 80210
303/759-3303 (W) 303/733-3604 (H) - John Bettridge

Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the



Confidential - Tight Hole

ONSHORE ORDER NO. 1
Raymond T. Duncan
Cave Canyon Federal 12-3
1610' FNL and 1300' FWL
Section 3, T38S - R24E
San Juan County, Utah

SURFACE USE PLAN

Page 9

statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Raymond T. Duncan and its contractors and subcontractors in conformity with the plan and the term and conditions under which it is approved.

This statement is subject to the provision of 18 U.S.C. 1001 for the filing of a false statement.

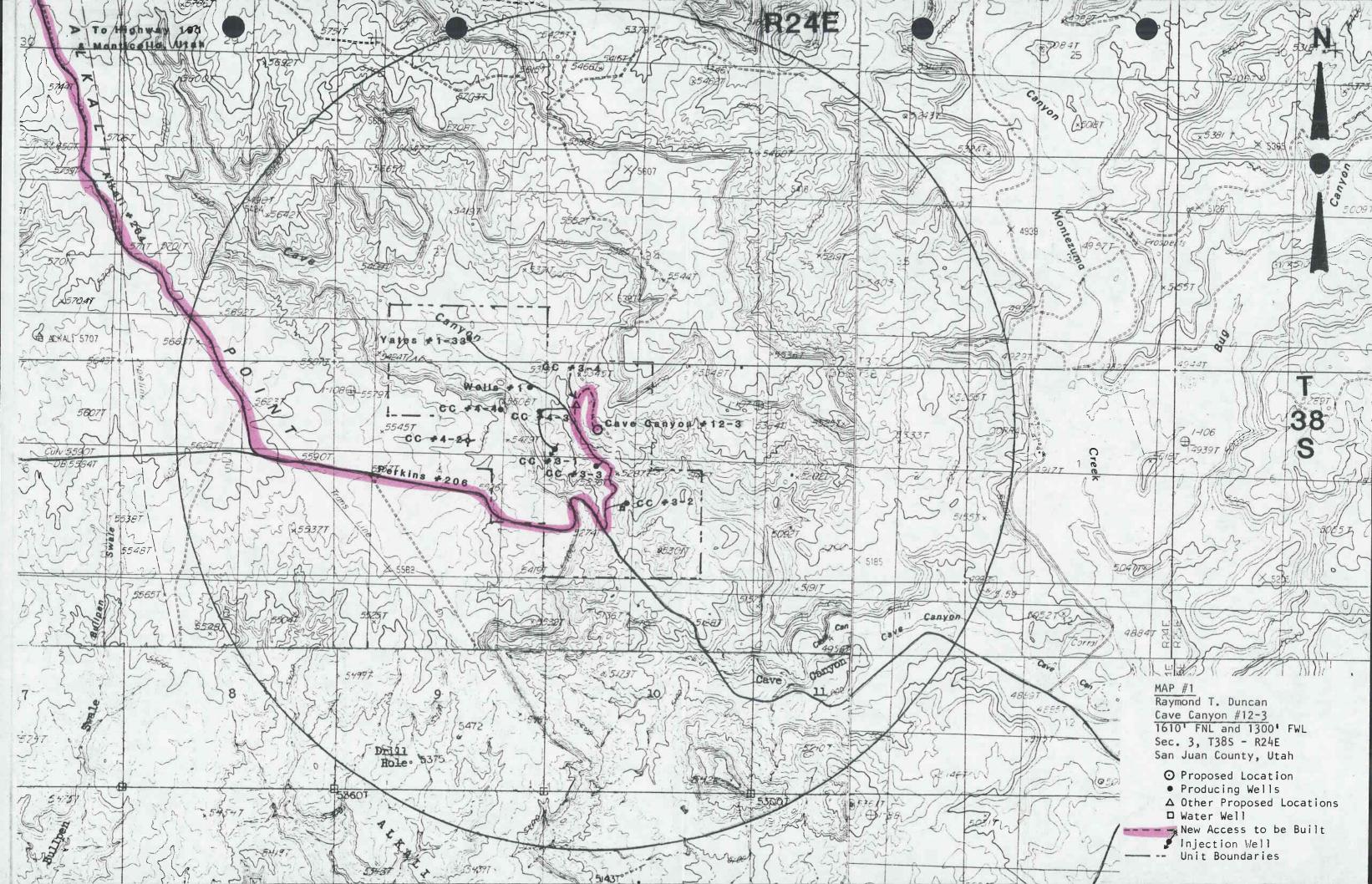
October 28, 1990

Date:

Lisa L. Smith - PERMITCO INC.

Authorized Agent for: RAYMOND T. DUNCAN





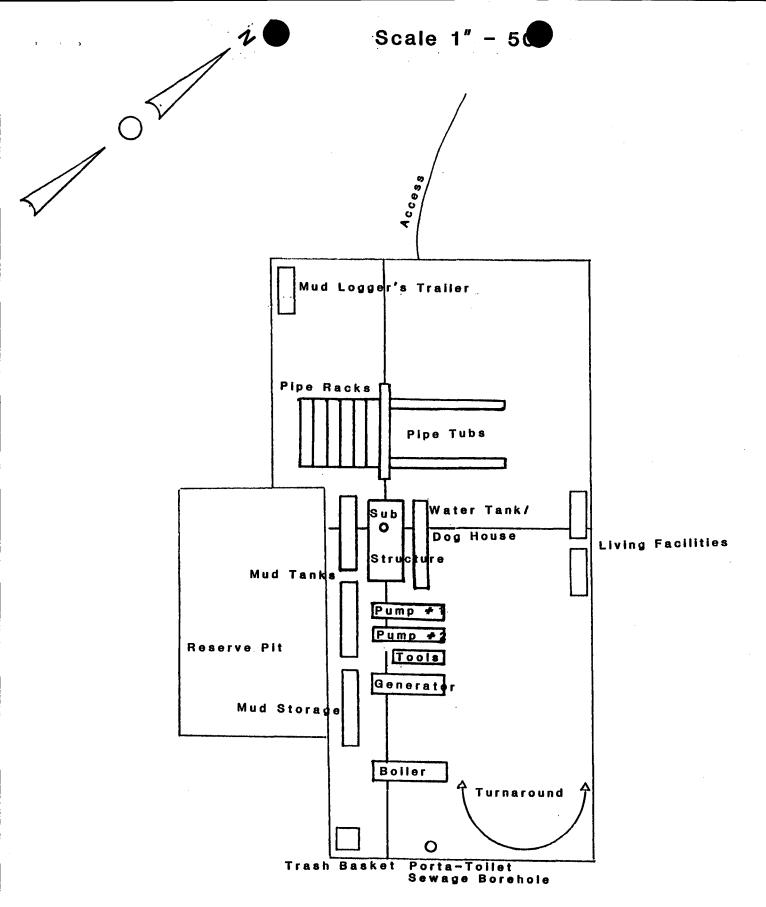


DIAGRAM #1
Raymond T. Duncan
Cave Canyon #12-3
1610' FNL and 1300' FWL
Sec. 3, T38S - R24E
San Juan County, Utah

DIAGRAM #2

Cave Canyon 12 - 3

Cut ////
Fill % P

Cross Section

1"=50' Horz. & Vert.

(evo

С



þ

b'

Cave Canyon #12-3 Cave Canyon #13-3

FILING FOR WATER IN THE STATE OF UTAH

Rec. by	
Fee Rec.	_

Receipt # _____

APPLICATION TO APPROPRIATE WATER

Roll # _____

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Title 73, Chapter 3 of the Utah Code Annotated (1953, as amended).

ATE	CR RIGHT NO	* APPLIC	ATION NO	J. <u>A</u>	
1.	*PRIORITY OF RIGHT:	- FILIN	IG DATE: .		
2.	OWNER INFORMATION				
	Name(s): Raymond T. Duncan Address: 1777 S. Harrison Street, Suite	* 1	nterest:	100	%
	Address: 1777 S. Harrison Street, Suite	PH 1			/0
	City: Denver,	State: CO	Zip Cod	e. 80210	
	Is the land owned by the applicant? Yes	No XX	p oou		***************************************
	(lf "No", please explain		section.)		
3.	QUANTITY OF WATER:	dis sind x	/r	5	ac-
4.	SOURCE: Cave Canyon Water Source We PID	RAINAGE:			
	which is tributary to <u>No. 1</u>				
	which is tributary to		***************************************	·	
	which is tributary toPOINT(S) OF DIVERSON:	COUNTY	∕∙ San J	uan	· · · · · · · · · · · · · · · · · · ·
	North 1870 feet and East 1870 feet f	rom the Southwes	st corne	r of Secti	on 3.
			<u> </u>		<u> </u>
	T38S - R24E, SLB&M				
5.	Description of Diverting Works:	3120 deep		1	
5.	Description of Diverting Works:7" casing * COMMON DESCRIPTION:	3120 deep			at a point
5.	Description of Diverting Works:	3120 deep		1	
5.	Description of Diverting Works:	3120 deep		1	
 6. 	Description of Diverting Works:	3120 deep			
5.	Description of Diverting Works:	3120 deep	or		ac-
5.	Description of Diverting Works:	3120 deep	or		8C-ft
 6. 7. 	Description of Diverting Works:	3120 deep cfs /source at a point(s)	or cfs or		ac-ft
 6. 7. 	Description of Diverting Works:	3120 deep cfs /source at a point(s)	or cfs or		ac-ft
 6. 7. 	Description of Diverting Works:7" casing * COMMON DESCRIPTION: POINT(S) OF REDIVERSION The water will be rediverted from Description of Rediverting Works: POINT(S) OF RETURN The amount of water consumed will be The amount of water returned will be The water will be returned to the natural stream STORAGE Reservoir Name:Storag Capacity:	3120 deep cfs /source at a point(s)	or cfs or		ac-it
 6. 7. 	Description of Diverting Works:	3120 deep cfs /source at a point(s)	or cfs or		ac
5. 6.	Description of Diverting Works:7" casing * COMMON DESCRIPTION: POINT(S) OF REDIVERSION The water will be rediverted from Description of Rediverting Works: POINT(S) OF RETURN The amount of water consumed will be The amount of water returned will be The water will be returned to the natural stream STORAGE Reservoir Name:Storag Capacity:	3120 deep cfs /source at a point(s) ge Period: from ft. Inundated Area:	orcfs or	to	ac

^{*} These items are to be completed by the Division of Water Rights

NATURE AND PERIOD OF USE		
Irrigation:	From to	
Stockwatering:	Fromto	
Domestic:	From to	
Municipal:	Fromto	
Mining:	Fromto	
Power:	From to	····
Other: Oil Well Drilling	g From Nov. 30, 199Qo November	30, 1991
PURPOSE AND EXTENT OF USE		
Irrigation:	acres. Sole supply of	acres
Stockwatering (number and kind): _		QUI US
Domestic:	Families and/or	Porcons
Municipal (name):		
Mining:	Mining District in the	Minc
Ores mined:		
Power: Plant name:	Time: Canadina	
Other (describe). Raymond T. D	Type:Capacity	in the Cave Cany
Lease Waterf	lood Project	THE CAVE CAN
Cave Canyon #12-3 SW NW Cave Canyon #13-3 NW SW	(1610' FNL and 1300' FWL) Sec. 3, (2220' FSL and 930' FWL) Sec. 3,	T385 - R24E
PYDI ARIATOPY		
by enclosed pump truck wit The surface at each drills	more clearly the full purpose of this appli Duncan proposes to drill two deve Lease Waterflood project. Water 10,000 BW. Water will be trucked ha capacity of 80-100 bbls. ite is owned by the Bureau of Land Federal Government and the extrat y Raymond T. Duncan	d to each drillsing the

Raymond T. Duncan

Cave Canyon #12-3 Cave Canyon #13-3

FILING FOR WATER IN THE STATE OF UTAH

Rec. by	
Fee Rec.	
_	

Receipt # _____

APPLICATION TO APPROPRIATE WATER

Roll # ____

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Title 73, Chapter 3 of the Utah Code Annotated (1953, as amended).

	ER RIGHT NO								
1.	*PRIORITY OF RIGH	Г:			• FI	LING DA	ГЕ:		
2.	OWNER INFORMAT	ON							
	Name(s): Raymond	T. Dune	can			* Interes	t:		0/
	Name(s): Raymond Address: 1777 S.	Harris	on St., P	enthouse 1					
	City: Denver,			State: _	CO	Zip	Code:	80210)
	Is the land owned by	the appli	cant? Yes	No	<u>(X</u>	•			
		(II "N	io", please e	explain in EXF	LANATOR	RY section	າ.)		
3.	QUANTITY OF WATE	R: XX			cfs an	d/or	5		ac
4.	SOURCE: Artesi	an Well		• DRAINA	GE:				
	which is tributary to								
	which is tributary to								
	which is tributary to POINT(S) OF DIVERS	ON:			COU	JTY: S	an Juar	1	
	N 531' and E 18	<u> 10' froi</u>	m West 1/	4 1/4 of Se	ection 1	. T38s	- R24E		
				0.50					
5.	Description of Diver * COMMON DESCRI POINT(S) OF REDIVE The water will be rec	ing Work	s: <u>Enclos</u>	ed pump tru	ick w/th	e capac	ity of	80-100	O bbls.
5.	Description of Diver	ing Work	s: <u>Enclos</u>	ed pump tru	ick w/th	е сарас	ity of	80-100	o bbls.
5.	Description of Diver * COMMON DESCRI	ing Work PTION: RSION liverted fr	s: <u>Enclos</u>	ed pump tru	ick w/th	е сарас	ity of	80-100	o bbls.
	Description of Diver * COMMON DESCRI POINT(S) OF REDIVE The water will be recommon of Rediver Description of Rediver	ing Work PTION: RSION liverted fr erting Wo	s: <u>Enclos</u> rom <u>N/A</u> rks: <u>N</u>	ed pump tru	ick w/th	e capac	ity of	80-100	o bbls.
6.	Description of Diver * COMMON DESCRI POINT(S) OF REDIVE The water will be recommon of Rediver POINT(S) OF RETURE The amount of water	ing Work PTION: RSION liverted fr erting Wo	s: _Enclos	ed pump tru	ick w/th	e capac	ity of	80-100	at a point
6.	Description of Diver * COMMON DESCRI POINT(S) OF REDIVE The water will be recommon of Rediver POINT(S) OF RETURE The amount of water The amount of water	ing Work PTION: RSION liverted freering Wo	s: _Enclos rom _N/A rks:N ed will be will be	ed pump tru	ick w/th	e capac	ity of	80-100	at a point
6.	Description of Diver * COMMON DESCRI POINT(S) OF REDIVE The water will be recommon of Rediver POINT(S) OF RETURE The amount of water	ing Work PTION: RSION liverted freering Wo	s: _Enclos rom _N/A rks:N ed will be will be	ed pump tru	ick w/th	e capac	ity of	80-100	at a poin
6.	Description of Diver * COMMON DESCRI POINT(S) OF REDIVE The water will be recommon of Rediver POINT(S) OF RETURE The amount of water The amount of water The water will be ret	ing Work PTION: RSION liverted freering Wo	s: _Enclos rom _N/A rks:N ed will be will be	ed pump tru	ick w/th	e capac	ity of	80-100	at a point
6.	Description of Diver * COMMON DESCRI POINT(S) OF REDIVE The water will be recommon of Rediver. Description of Rediver. POINT(S) OF RETURE The amount of water. The water will be recommon of the water. STORAGE	erting Work PTION: RSION liverted fractions Wo consumer returned to the	rks:N d will be will be the natural	ed pump tru	e at a poin	cis orcis or t(s):	ity of	80-100	at a point
6.	Description of Diver * COMMON DESCRI POINT(S) OF REDIVE The water will be recommon of Redive POINT(S) OF RETURE The amount of water The amount of water The water will be ret STORAGE Reservoir Name:	ing Work PTION: RSION liverted from the consumer returned to the con	rks:N d will be will be the natural	ed pump tru	e at a poin	cis orcis or t(s):	ity of	80-100 5 0	at a point
6 .	Description of Diver * COMMON DESCRI POINT(S) OF REDIVE The water will be recommon of Rediver. Description of Retruent of Water The amount of water The amount of water The water will be retered. STORAGE Reservoir Name:	RSION liverted from the consumer returned to the liverted from the	s: _Enclos	ed pump tru	e at a poin	cis orcis or t(s):	ity of	80-100 5 0	at a point
6. 7.	Description of Diver * COMMON DESCRI POINT(S) OF REDIVE The water will be recommon of Redive POINT(S) OF RETURE The amount of water The amount of water The water will be ret STORAGE Reservoir Name:	ing Work PTION: RSION liverted from the consume returned to the consumer returned to the cons	s: _Enclos rom _N/A rks:N d will be will be the natural	ed pump tru //A stream/source _Storage Pericac-ft. Inur	e at a point	e capac cfs or cfs or t(s):	ity of	80-100 5 0 A	at a point ac-ft ac-ft

^{*} These items are to be completed by the Division of Water Rights

. NATURE AND PERIOD OF USE			
Irrigation:	From	to	
Stockwatering:	From		
Domestic:		to	
Municipal:		to	
Mining:		to	
Power:		to	
Other: Oil well drilling		to _11/30/91	
. PURPOSE AND EXTENT OF USE			
Irrigation:	acres. Sole supply	of	acre
Stockwatering (number and kind):			
Domestic:	Families and/or		Perso
Municipal (name):	*		
Mining:	Mining District in th	e	Mi
Ores mined:	_		
Power: Plant name:	Type:	Capacity:	
Other (describe): 0il & Gas We	ll Drilling		
Cave Canyon Fed. #13-3 NW SV	* (2220 T3L and 3)	, , , , , , , , , , , , , , , , , , , ,	J03 - K24E
. EXPLANATORY			
	more clearly the full pu	pose of this application	38S - R24E n. (Use addition
EXPLANATORY The following is set forth to define pages of same size if necessary): The surface at the drillsi	more clearly the full pur	pose of this application	n. (Use addition
EXPLANATORY The following is set forth to define	more clearly the full pur	pose of this application	n. (Use addition
EXPLANATORY The following is set forth to define pages of same size if necessary): The surface at the drillsi	more clearly the full pur te is owned by the Federal Government	pose of this application Bureau of Land Man and the extration	n. (Use addition
The surface at the drillsi minerals are owned by the	more clearly the full pur te is owned by the Federal Government	pose of this application Bureau of Land Man and the extration	n. (Use addition
The surface at the drillsi minerals are owned by the	more clearly the full pur te is owned by the Federal Government	pose of this application Bureau of Land Man and the extration	n. (Use addition
The surface at the drillsi minerals are owned by the	more clearly the full pur te is owned by the Federal Government	pose of this application Bureau of Land Man and the extration	n. (Use addition
The following is set forth to define pages of same size if necessary): The surface at the drillsi minerals are owned by the Federal Lease No. U-47876	more clearly the full pur te is owned by the Federal Government are owned by Raymon	pose of this application Bureau of Land Man and the extration i T. Duncan	n. (Use addition agement, the rights to
The following is set forth to define pages of same size if necessary): The surface at the drillsi minerals are owned by the Federal Lease No. U-47876	more clearly the full pur te is owned by the Federal Government are owned by Raymon	pose of this application Bureau of Land Man and the extration i T. Duncan	n. (Use addition agement, the rights to
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The following is set forth to define pages of same size if necessary): The surface at the drillsiminerals are owned by the Federal Lease No. U-47876 The applicant(s) hereby acknowledgor intends to become such a citizen(s	more clearly the full purter is owned by the Federal Government are owned by Raymonates that he/she/they are a). The quantity of water s	pose of this application Bureau of Land Man and the extration i T. Duncan citizen(s) of the United bught to be appropriate	n. (Use addition agement, the rights to
The surface at the drillsi minerals are owned by the Federal Lease No. U-47876 The applicant(s) hereby acknowledg or intends to become such a citizen(s which can be beneficially used	more clearly the full purter is owned by the Federal Government are owned by Raymonders that he/she/they are a). The quantity of waters for the purposes herei	pose of this application Bureau of Land Man and the extration i T. Duncan citizen(s) of the United bught to be appropriate n described. The united	n. (Use additionagement, the rights to States of Ameridis limited to the lersigned here
The surface at the drillsiminerals are owned by the Federal Lease No. U-47876 The applicant(s) hereby acknowledgor intends to become such a citizen(s which can be beneficially used acknowledges that even though he/s	more clearly the full purter is owned by the Federal Government are owned by Raymon es that he/she/they are a). The quantity of waters for the purposes hereis she/they may have been	pose of this application Bureau of Land Man and the extration i T. Duncan citizen(s) of the United bught to be appropriate a described. The und assisted in the prepare	n. (Use additionagement, the rights to States of Ameridals limited to the derenation of the about
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Agent for Raymond T. Duncan

Application for Right-of-Way Encroachment Parmit

	San Juan County Rosication is hereby mad	le by: (2)_	Raymond T. Dunca	n c/o PERMITO	CO INC.
releş	phone Number: 303/452 Utilize existing Coun	-8888	for permi:	ssion to do #204 and Pe	the following
•	In addition, we reque	st permiss	ion to construct	an access a	proach in
	Section 3, T38S - R24				
(4) Z	Cocation: Sec. 3, T3	8S - R24E			
ity		County	San Juan	***************************************	State Utah
r U.	S. Highway No.				
	cordance with the at				
) C	onstruction will beg	in on or a	bout November	25	19 90
	ill be completed on o	or before_	November		19 91
nd w	ill be completed on a If the proposed inst ollowing information	tallation .		25	19 91
nd w	If the proposed inst ollowing information:	tallation .	requires breakin	25	19 91
nd w her fi	If the proposed inst ollowing information:	tallation :	requires breakin	25	19 91
nd w her fi	If the proposed installation of the proposed	tallation :	requires breakin	25 og of the par	19 91 vement, give
nd w	If the proposed install of the	tallation	n/A	25 og of the par feet	19 91 vement, give feet long deep.
nd w	If the proposed installation of the proposed	tallation	N/A N/A N/A ha	25 og of the par feet s been poste	19 91 vement, give feet long deep.
nd w	If the proposed install of the proposed in the amount of the proposed in the proposed install of the p	will be vide and	N/A N/A N/A N/A Telepho	feet s been poste	19 91 vement, give feet long deep.
Tur	If the proposed install of the	will be vide and	N/A N/A N/A N/A Telepho	feet s been poste	19 91 vement, give feet long deep. d with
nd w. To fi A run tisi d Pri ad C	If the proposed instollowing information: type of pavement: the opening to be made feet we bond in the amount of a term of three	tallation: will be wide and of \$ (3) years inted, we a ons as cont ghway Righ 8, 1962,	N/A N/A N/A N/A Telepho after completion gree to comply a ained in the "Ra ats-of-Way", app. and all revision	feet s been poste ne No. n of work to with all conegulations f	19 91 vement, give feet long deep. d with guarantee ditions, or the Contro

- (9) For any and all applications requesting authority to Vibroseise, applicants shall:
- a. Provide map showing where vibroseising will take place.
- b. Agree to repair any damages or replace any property damaged.
- c. Take full responsibility or proper flagging and traffic control.

- d. Agree that Vibroseising done in the area of dirt roads shall done on the dirt road rather than in the bar ditch to minimize damage.
- e. Provide a schedule of the planned work and estimated dates of completion.
- f. Attach written permission form all adjacent fee-title owners.
- g. The San Juan County Commission has authorized the San Juan County Road Superintendent (or his Assignees) to issue permits.
- (10) San Juan County can only grant permission to the extent that the County has the aurhority to do so and the permission granted hereunder is limited to the interest of authority actually owned by San Juan County and no warranties of ownership or authority to grant permission is expressed or implied by the granting of this permit.

BY: Lisa L. Smith

Consultant for RAYMOND T. DUNCAN
TITLE

To be filled in by Road Supervisor.

(1)	Permit	should	be	granted	
	Permit	should	not	t be granted	-

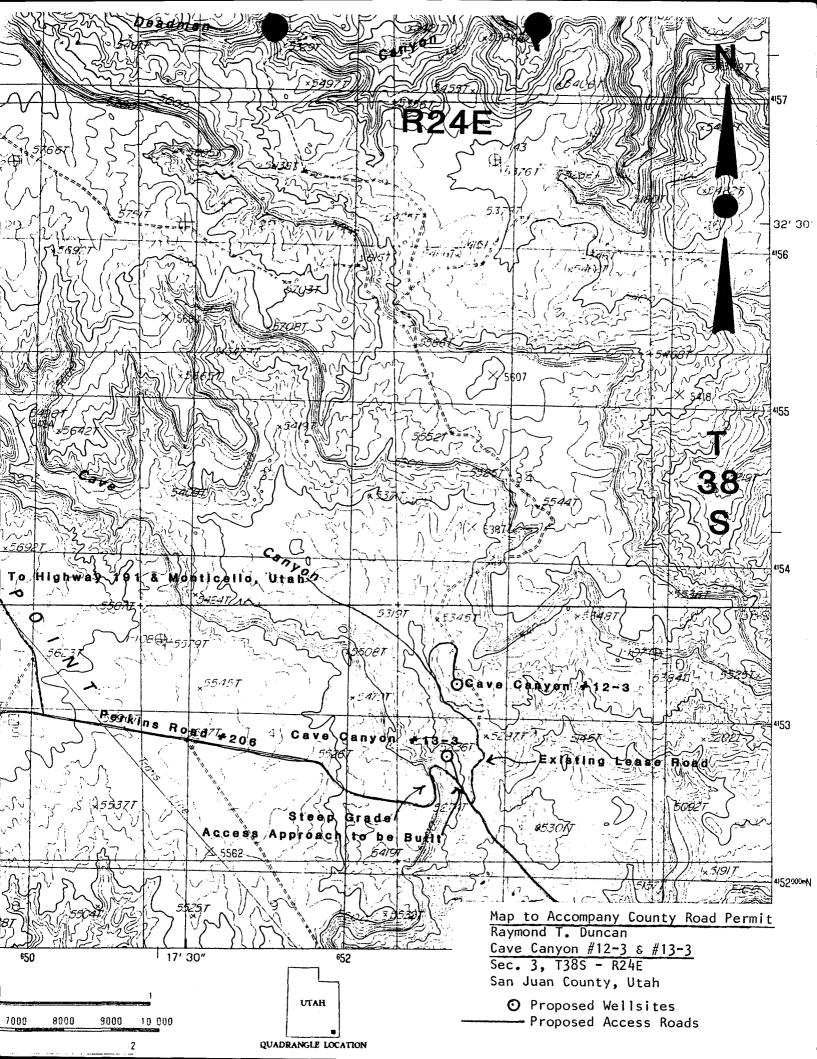
(2) Additional requirements which should be imposed.

ROAD SUPERVISOR

INSTRUCTIONS

- (1) *Application for this permit should be made in duplicate by whoever will actually do the work whether it be the owner or a contractor.
- (2) Mailing address of applicant.
- (3) State fully and completely the type or installation, type of construction, width, thickness, drainage data, etc., where applicable. If pole line, give the following information: number of poles, total length of line, type of wire, character of service, vertical clearance over roadway, and voltage of power line.
- (4) If pipe line or buried cable, give the follwing information: Type of service, size and length of line, depth of trench, kind of pipe, (sewer, gas, oil, water supply, etc.) or conduit, and if pipe is to be driven or if pavement will be broken. All fluid lines requires encasement with suitable material. The size and length of encasement shall be satisfactory to the State Department of Transportation, San Juan County Road Supervisor or his agent.
- (5) Give distance from some geographical point such as intersecting highways, city, or coporate limits. Give city, county, and state or U.S. route number.
- (6) Attach two (2) copies of a plan showing proposed location of structures with reference of pavement and right-of-way lines. If installation crosses the highway, show cross section of present roadway and proposed installation.
- (7) Give anticipated dates for beginning and for completion of proposed installation.

Note: A fee of five (5) dollars will be charged for all Right-of-Way Encroachments Permits, except those obtained for pole lines, and buried cable lines. This Permit fee, where applicable, should be submitted with the application. The costs of inspection are included in the Right-of-Way Encroachment Permit fee, except for pole lines, pipe lines, and buried cable lines which shall be billed for the inspection.



CONFIDENTIAL

OPERATOR Raymond A Durcan N-0360DATE 10-31-90
WELL NAME Carle Caryon tedual 10-3
SEC SWIW 3 T 385 R WHE COUNTY Jan Tuan
43-037-31567 tidual (1) API NUMBER TYPE OF LEASE
CHECK OFF:
PLAT BOND NEAREST WELL
LEASE FIELD POTASH OR OTL SHALE
PROCESSING COMMENTS: P.O.D 14 0-00-90
water Permit 09:1709 (T 64805)
APPROVAL LETTER:
SPACING: R615-2-3 Carle Caryon R515-3-2
NA R615-3-3 CAUSE NO. & DATE
STIPULATIONS:
PERIOD
ON HOHAD
CONFIDENTIAL PERIOD EXPIRED



Norman H. Bangerter Governor Dee C. Hansen Executive Director Dianne R. Nielson, Ph.D. Division Director

355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 801-538-5340

November 5, 1990

Raymond T. Duncan 1777 S. Harrison St., PH #1 Denver, Colorado 80210

Gentlemen:

Re: Cave Canyon Fed. 12-3 - SW NW Sec. 3, T. 38S, R. 24E - San Juan County, Utah - 1610' FNL, 1300' FWL

Approval to drill the referenced well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule R615-2-3, Oil and Gas Conservation General Rules.

In addition, the following actions are necessary to fully comply with this approval:

- 1. Spudding notification within 24 hours after drilling operations commence.
- 2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
- 3. Submittal of the Report of Water Encountered During Drilling, Form 7.
- 4. Prompt notification if it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (80I) 538-5340, (Home) 571-6068, or Jim Thompson, Lead Inspector, (Home) 298-93I8.
- 5. Compliance with the requirements of Rule R6I5-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

Page 2 Raymond T. Duncan Cave Canyon Fed. 12-3 November 5, 1990

- 6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (80I) 538-6121.
- 7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31567.

Sincerely,

R. J. Firth

Associate Director, Oil & Gas

tas

Enclosures

cc: Bureau of Land Management

J. L. Thompson

we14/1-2

(formerly 9-331C)

SUBMIT IN T (Other instructions on reverse side)

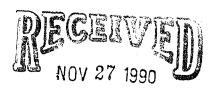
Form approved. Budget Bureau No. 1004-0136 Expires August 31, 1985

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMEN	
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	DEI AITHMENT	OI THE I	MIEKIUK			5. LEASE DESIGNATION	AND REPLAT NO
	BUREAU OF	LAND MANA	GEMENT			I.	AND BERIAL RO.
APPLICATIO	N FOR PERMIT T	ODBILL	DEEDENI C	ND DI I	IC DACK	U-47876 6. IF INDIAN, ALLOTTE	B OR TRIRE WANT
1a. TYPE OF WORK	IN TON TENMIN I	O DRILL,	DEEPEN, C	IN PLU	G BACK	N/A	
	ILL 🖾 .	DEEPEN	П	PLUG	BACK 🗆	7. UNIT AGREEMENT	TAMB
b. TYPE OF WELL	•					Cave Canyon	Unit
WELL XX	VELL OTHER		ZONE X	a :	SONE	8. PARM OR LEASE NA	MB
2. NAME OF OPERATOR	303/759-3303	1777 S.	Harrison :			Cave Canyon	Fedoral
Raymond T. Du	ncan		CO 80210			9. WELL NO.	rederar
3. ADDRESS OF OPERATOR	303/452-8888		ickson Driv	/e		#12-3	
Permitco Inc.	- Agent	Denver.	CO 80241			10. FIELD AND POOL,	DR WILDCAT
ATT DUITAGE	seport location clearly and	in accordance wi	th any State requ	uirements.	•)	Cave Canyon	
16	10' FNL and 1300)' FWL				11. SBC., T., R., M., OR	BLK.
At proposed prod. sor	16	4.	1-037-3	156	7	AND SURVEY OR A	REA
	SW NW Sec.	}		,	,	Sec. 3, T38	S - R24F
	AND DIRECTION FROM NEAR		T OFFICE*			12. COUNTY OR PARINI	18. STATE
32 miles sout	heast of Montice	ello, Utah				San Juan	Utah
15. DISTANCE FROM PROPULOCATION TO NEAREST	T		16. NO. OF ACE	ER IN LEA		F ACRER ABBIGHED	1 ocum
PROPERTY OR LEADE !	LINE, FT. E. unit line, if any)	20 *	1289.	44	70 7	1118 WALL 40	
18. DISTANCE FROM PROI	ORED LOCATION		19. PROPOSED I	EFTH	20. ROTA	RY OR CABLE TOOLS	
OR APPLIED FOR, ON TH	approx.	900'	6000)		otary	
21. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)					22. APPROX. DATE W	DEE WILL START
5342' GR						Immediately	
23.	P	ROPOSED CASI	NG AND CEME	NTING PI	ROGRAM	of this appl	
FIFT OF WOLF	,					черт	
SIZE OF HOLE	BIZE OF CABING	WEIGHT PER F	TOOT BET	TING DEPT	<u> </u>	QUANTITY OF CEME	NT
17-1/2"	13-3/8"	<u>48#</u>		120'	To sur	face.	
		~1 "	'	1000	ممهها	cc	

CONFIDENTIAL



DIVISION OF OIL, GAS & MINING

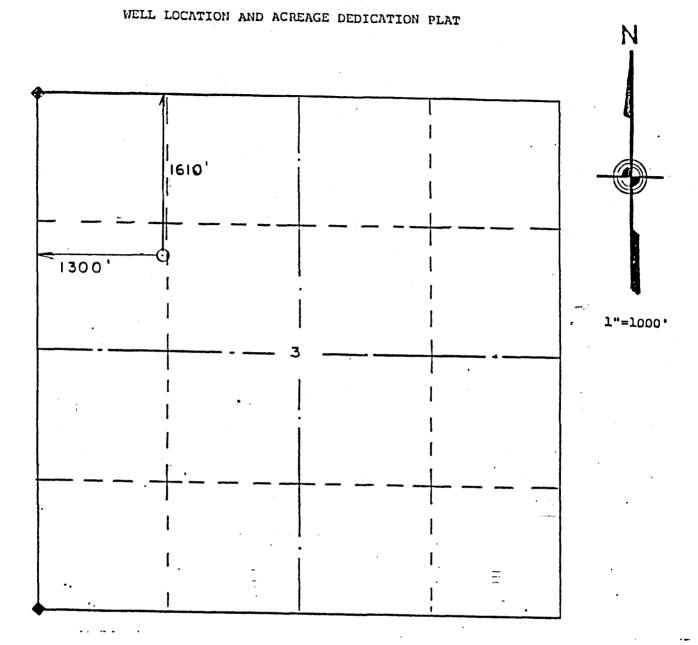
(This space for Federal or State office use) PERMIT NO. /S/ WILLIAM C. STRINGER APPROVED BY	Assistant District Manager for Minerals	NOV 2 1 1990
BIGNED LAW & SMILL	Consultant for Raymond T. Duncan	DATE 10/28/90

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A

CONDITIONS OF AFPROVAL ATTACHED

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false. Tictitious or fraudulent statements or representations as to any matter within its jurisdiction.



WELL LOCATION DESCRIPTION:
R. T. DUNCAN, Cave Canyon 12 - 3
1610'FNL & 1300'FWL
Section 3, T.38 S., R.24 E., SLM
San Juan, UT.
5342' ground elevation

The above plat is true and correct to my know leage 57

21 October 1990

Knowledge and belief.

GERALD G. T.

HUDDLESTON JOHN DELET.

Geraldes Huddleston, L

213 East Montezuma Avenue • Cortez, Colorado 81321 • 303-565-3330

Raymond T. Duncan
Well No. Federal 12-3
SWNW Sec. 3, T. 38 S., R. 24 E.
San Juan County, Utah
Lease U-47876

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Raymond T. Duncan is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by WY0271 (Principal - Raymond T. Duncan) via surety consent as provided for in 43 CFR 3104.3.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

A. DRILLING PROGRAM

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Order 1, Onshore Oil and Gas Order No. 2 and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to the field representative to insure compliance.

Surface casing shall have a centralizer on each of the bottom three joints. (This approval condition is required until Onshore Oil and Gas Order No. 2 is revised/corrected.)

 Human waste will be disposed of in 20 foot deep ratholes under camper trailers, or chemical toilets. Ratholes will be immediately filled when the trailers are removed.

The following stipulations were proposed by Raymond T Duncan in the APD.

- 1. All operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100, Onshore Oil and Gas Orders, and the approved plan of operations (Application for Permit to Drill).
- 2. Approximately 2000 feet of new road, 16 feet of flat bladed width will be constructed. The topsoil from the access road will be reserved it place. The access road will be rehabilitated or brought to BLM Resource (Class III) Road Standards within sixty (60) days of completion of drilling operations.
- 3. One 24" x 40' culvert will be installed at the #3-4 wellpad.
- 4. The reserve pit will be constructed with at least 1/2 of the capacity in cut material. The pit will be lined with 24 tons of bentonite. Three sides of the reserve pit will be fenced within 24 hours after completion of construction and the fourth side within 24 hours after drilling operations cease with four (4) strand of barbed wire, or woven wire topped with barbed wire to a height of not less than four (4) feet. Produced water will be confined to the reserve pit for a period not to exceed 90 days after initial production. During the 90 day period an NTL-2B application will be submitted for BLM's approval of a permanent disposall method and site.
- 5. Topsoil from the location will be stored on the uphill side of the location furnishing a water berm. Topsoil from the reserve pit will be placed north of the pit.
- 6. All above ground structures and equipment will be painted with a neutral Juniper green color.

- 7. If a tank battery is constructed on this location, it will be surrounded by a dike of sufficient capacity to contain 150 percent of the storage capacity of the largest tank in the battery. All load lines will be placed inside the dike.
- 8. Gas meter run will be within 500 feet of the wellhead. Gas flowline will be buried from the wellhead to the meter and downstream for the remainder of the pad. Meters will be housed or fenced.
- 9. The topsoil from the access roads will be reserved in place.
- 10. No liquid hydrocarbons (i.e., fuels, lubricants, formation) will be discharged to the reserve pit.
- 11. No chrome compounds will be on location.
- 12. All potable water encountered will be reported to BLM, stating amounts and depths.
- 13. All trash will be placed in a trash basket and hauled to a county refuse facility as necessary. There will be no burning of trash on the location.
- 14. Plans for restoration of the surface:
 - A. Within 24 hours of completion of drilling, the location and surrounding area will be cleared of all equipment, debris, materials, and junk not required for production.
 - B. As soon as the reserve pit has dried all areas not needed for production (including access road) will be filled in, recontoured to approximate natural contours and as much top soil as was removed replaced leaving enough for future restoration if needed.
 - C. The area will be seeded between October 1 and February 28 with the indicated species and amounts as below:

8 lbs/acre crested wheatgrass
6 lbs/acre fourwing saltbush
2 lbs/acre forage kochia
5 lbs/acre bottlebrush squirreltail

- D. Seed will be broadcast followed by a light harrowing. If the seed is drilled, the recommended seed mix can be applied at 75 percent of the recommended rate. The seeding rate is for pure live seed.
- E. Water control measures (i.e. contour furrowing, waterbars, etc.) may be required at the time of reclamation if required by the authorized officer.

15. There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be oberved. All wells, whether drilling, producing, suspended, or abandoned and/or separate facilities, will be identified in accordance with 43 CFR 3162.6. 16. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.6.

- 17. The dirt contractor will be provided with an approved copy of the surface use plan.
- 18. An archeological study was conducted by LaPlata Archaeological Consultants. No significant cultural resources were found and clearance is recommended.
- 19. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

whether the materials appear eligible for the National Register of Historic Places;

the mitigation measures the operator will likely have to undertake before the site can

be used (assuming in situ preservation in not necessary); and

a timeframe for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, the operator will then be allowed to resume construction

- 20. This permit will be valid for a period of one (1) year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.
- 21. If at any time the facilities located on public lands authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change) the BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental, or other financial obligation determined by the AO.
- 22. In order to protect important deer winter range, exploration, drilling, and other development activity will be allowed only during the period from April 1 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically authorized in writing by the District Engineer, Geological Survey, with the concurrence of the District Manager, Bureau of Land Management.

NOTIFICATIONS

Notif	yBob Turri	of the _	San	Juan I	Resource	Area, at	t
(801)	587-2141 for the	e followin	ng:				
	2 days prior to commenc	ement of d	lirt work,	construction	or recl	amation;	
	l day prior to spudding	;					
	l day prior to running	and cement	ing surfac	ce casing;			
	l day prior to pressure	testing o	of surface	casing.			
Notif for t	y the Moab District Off he following:	ice, Branc	ch of Fluic	l Minerals at	(801) 2	59-6111	
	No well abandonment oper approval of the Assista In the case of newly dr verbal approval can be in the order listed.	nt Distric illed dry	t Manager, holes, and	Minerals Di l in emergenc	vision. y situat	ions,	
	Dale Manchester, Petrol	eum Engine	er Of	fice Phone:	(801)	259-6111	
			Но	ome Phone:	(801)	259-6239	
	Eric Jones, Petroleum E	ngineer	01	fice Phone:	(801)	259-6111	
			Но	ome Phone:	(801)	259-2214	
	If unable to reach the or after hours please c	above indi all the fo	ividuals ir ollowing:	ncluding week	ends, ho	lidays,	
	Lynn Jackson, Chief, Branch of Fluid	Minonals	01	fice Phone:	(801)	259-6111	
	onici, bianch of i fuld	הוווכו מו2	Но	ome Phone:	(801)	259-7990	

24 HOURS ADVANCE NOTICE IS REQUIRED FOR ALL ABANDONMENTS

STATE OF	UTA	AΗ			
DIVISION	0F	OIL,	GAS	AND	MINING
ENTITY	AC.	TTON	FΩ	RM _	FORM 6

OPERATOR .	Raymond	T. Duncan
ADDRESS	1777 S.	Harrison St. P-1
	Denver.	CO. 80210

PERATOR	ACCT.	NO.	NO360
21 GRATOR	ACC1.	110.	

ACTION	CURRENT	NEW	API NUMBER	WELL NAME			WELL	OCATIO	NI	CDUD	555557715
CODE	ENTITY NO.	ENTITY NO.			QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
В	99999	09775	0RU 43-037-31567	Cave Canyon Federal 12-3	SWŅW	3	38S	24E	San Juan	12/12/90	12/12/90
WELL 1 C	:STMEMMC					<u> </u>		<u> </u>	1	1	<u> </u>
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ļ		Unit-	-Lease Cave Canyon Cave Canyon Se	c. Recovery	x 12 (0	10 / /	¥_				
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ACTION CO)FC /C :		1 1 5 5				·				

ACTION CODES (See instructions on back of form)

A - Establish new entity for new well (single well only)

B - Add new well to existing entity (group or unit well)

C - Re-assign well from one existing entity to another existing entity

D - Re-assign well from one existing entity to a new entity

E - Other (explain in comments section)

"OTE: Use COMMENT section to explain why each Action Code was selected.

 $\frac{\text{Engineering Technician}}{\text{Title}} \ \frac{12/13/90}{\text{Date}}$

Phone No. (303) 759-3303

STA	TE OF UTAH	SUBMIT IN TRIPLICATES (Other instructions on re-		AND SPECIAL NO
OIL & GAS CONS	ERVATION COMMISS	ION verse side)	U-47876	AND SERIAL NO.
SUNDRY NOTI	ICES AND REPORTS als to drill or to deepen or plus TION FOR PERMIT—" for week	ON WELLS back to a different reservoir.	6. IF INDIAN, ALLOTTER	
OIL GAR OTHER		IS GELL WELL	7. UNIT AGREEMENT NA Cave Canyon	Waterflood
Raymond T. Duncar	1	DEC 17 1990	8. FARN OR LEASE NAM Cave Canyor	
1777 S. Harrison	St. P-1 Denver, Co	892 PIVISION OF	9. WELL NO. 12-3	:
4. LOCATION OF WELL (Report location cl See also space 17 below.) At surface	early and in accordance with an	y State reguliellensming	Cave Canyon I	
1610 FNL & 1300 FWI	. SWNW Sec 3		11. SEC., T., R., M., OR B SURVEY OR AREA	
14. PERMIT NO.	1 15. BLEVATIONS (Show whether :	DF. RT. GR. etc.)	Sec 3 T38S R2	4E
43-037-31567 pre	5342' GR	or, and day	San Juan	Utah
16. Check Ap	propriate Box To Indicate	Nature of Notice, Report, or (
NOTICE OF INTENT	non to:	PERSON	URNT REPORT OF:	
PRACTURE TREAT	CULTIPLE COMPLETE	WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING	REPAIRING V ALTERING CA	ASING
	HANGE PLANS	(Other)	s of multiple completion	

Raymond T. Duncan spud the subject well at 9:00 PM on December 12, 1990.

CONFIDENTIAL

1		
18. I hereby certify that the foregoing is true and correct SIGNED		
SIGNED BYMLIAND	TITLE Operations Superintendent	DATE _12/13/90
(This space for Federal or State office use)		
APPROVED BY	TITLE	DATE

	GCC-1 b∙	STATE (F UTAH		SUBMIT IN TRIPLI (Other instructions	00 TO		
	OIL & GAS	CONSERVA	TION CO	MMISSION	verse side)	a.	LEASE DESIGNATION AND	ERIAL P
							U-47876 if indian, allottee or '	RIBE NA
	SUNDRY (Do not use this form f	NOTICES or proposals to complication	AND REF	PORTS ON en or plug back "for such propo	WELLS Application reservoir		NA Unit agreement name	• ::
	OIL GAS			į				- 1
	WELL X WELL .	OTHER		<u> </u>	DEC 31		Cave Canyon War	erri
	Raymond T.	Duncan			و در		Cave Canyon F	edera
8.	ADDRESS OF OPERATOR						WELL NO.	
	1777 S. Har	rison St.	P-1 Denve	er, Co 802	210		12-3	
4.	LOCATION OF WELL (Report I See also space 17 below.)	ocation clearly s	nd in accordan	ce with any Sta	te requirements.	10	. FIELD AND POOL, OR WI	DCAT
	At surface						ave Canyon Fie	
	1610 FNL & 13	00 FWL SV	NW Sec 3		•	11	. EEC., T., R., M., OR BLK SURVEY OR AREA	LRD
							0 2000 201	
12	PERMIT NO.	1 10 1	HEVATIONS /Sha	w whether SF, RT	GR eta.)	12	ec 3 T38S R24E	STATE
74.	43-037-31567	1	5342		, 41, 450.)		San Juan	Utah_
								ulau.
16.	Œ	ieck Appropr	ate Box To	Indicate Nat	ure of Notice, Repo	rt, or Othe	er Data	
	NOTICE	OF ENTENTION TO);	1		SUBSEQUENT	REPORT OF:	
	TEST WATER SHUT-OFF	PULL OF	ALTER CASING		WATER SHUT-OFF		REPAIRING WELL	
	PRACTURE TREAT	_	LE COMPLETE		FRACTURE TREATME	T	ALTERING CASIN	, <u> </u>
	SHOOT OR ACIDIZE	ABANDO			SHOOTING OR ACIDIZ	ING	Abandonment*	
	REPAIR WELL	CHANGE	PLANS		(Other)			
	(Other) Notification				Campletion or	Recompletto	multiple completion on \n Report and Log form.)	
7.	processed work. If well	LETED OPERATION	s (Clearly state	all pertinent d	etails, and give pertine	nt dates, inc	luding estimated date of opths for all markers are	startin I zones
	nent to this work.)	in directioning (
	Parmand T Du	naan coud	the cubi	oot moll	at 9:00 PM on	December	- 12 1990	
	-		_			December	12, 1770.	
	The drilling	ing is Ala	ipanoe bi	riring vr	3 #J•			

DATE .

(This space for Federal or State office use)

APPROVED BY _______CONDITIONS OF APPROVAL, IF ANY:

	TEST WATER SHUT-OFF		LL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
16.	Chec Nozice or			sture of Notice, Report, or C	Other Data
	43-037-31567		5342 GR		San Juan Utah
14.	PERMIT NO.		15. BLEVATIONS (Show whether DF,	RT, GR, etc.)	12. COUNTY OR PARISH 18. STATE
					Sec 3 T38S R24E
	1610 FNL & 1300) FWL	SWNW Sec 3	•	11. SEC., T., B., M., OR BLK. AND SURVEY OR AREA
4. 1	LOCATION OF WELL (Report locs See also space 17 below.) At surface	ttion cles	urly and in accordance with any S	tate requirements.	Cave Canyon Field-Is
	1777 S. Harri	ison S	St. P-1 Denver, Co 80	0210	12-3 10. FIELD AND POOL, OR WILDCAT
8.	ADDRESS OF OPERATOR			CALL CONTRACTOR	9. WELL NO.
	Raymond T. Du	ıncan		DEC 31 1990	Cave Canyon Federa
	WELL KI WELL I OTE	HER		1000	8. FARN OR LEASE NAME
	OIT O GVE			77 7 10 10 10 10 10 10 10	7. UNIT AGREEMENT NAME Cave Canyon Waterfl
	SUNDRY A (Do not use this form for Use "AF	VOTIC proposale PLICAT	ES AND REPORTS O to drill or to deepen or plug ba- ION FOR PERMIT—" for such pro-	N WELLS ok to a different reservoir. possist	NA:
			CVILLON COMMISSIO	• •	U-47876 6. IF INDIAN, ALLOTTEE OR TRIBE NA
	OIL & GAS C		RVATION COMMISSIO	(Other instructions on reverse side)	5. LEASE DESIGNATION AND BERIAL !
		STAT	'E OF UTAH	SUBMIT IN TRIPLICATE.	

Raymond T. Duncan spud the subject well at 9:00 PM on December 12, 1990.

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

CHANGE PLANS

The drilling rig is Arapahoe Drilling Rig #3.

SHOOT OR ACIDIZE

(Other) Notification of Spud

CONFIDENTIAL

SHOOTING OR ACIDIZING

ABANDONMENT*

(Nore: Report results of multiple completion on Well ('ampletion or Recompletion Report and Log form.)

1			_
18. I hereby certify that the foregoing is true and correc	t ·		
18. I hereby certify that the foregoing is true and correct SIGNED SIGNED	TITLE Operations Superintendent	DATE 12/13/90	_
(This space for Federal or State office use)			
APPROVED BY	TITLE	DATE	

DUNCAN ENERGY COMPANY

PENTHOUSE ONE

1777 SOUTH HARRISON STREET

DENVER, COLORADO 80210-3925

TELEPHONE (303) 759-3303

FAX (303) 757-0252

January 21, 1991



DIVISION OF OIL, GAS & MINING

Gentlemen:

Enclosed please find sundry notice for the change of operatorship from Raymond T. Duncan to Duncan Energy Company for the Cave Canyon Lease Waterflood.

If you require further data please contact Marie O'Keefe of this office.

Sincerely,

Marie O'Kerfe Marie O'Keefe

Engineering Technician

/mo

cc: State of Utah
3 Triad Center #350
Salt Lake City, UT 84180-1203

Estective 6-21-90 per marie o'Kerle fix Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED					
Budget Bureau No. 1004-013	5				
Expires: March 31, 1993					

5. Lease Designation and Serial No.

UTU40751

6. If Indian, Allottee or Tribe Name

Cave Canyon Lease

7. If Unit or CA, Agreement Designation

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT—" for SNA PROPOSALS CONTROLLED

SUBMIT IN TRIPLICAT

1. Type of Well	JAN 23 1991 C	Waterflood
X Oil Gas Other	5/11/ 25 1001 C	8. Well Name and No.
2. Name of Operator	DIVISION OF	Cave Canyon Fed. 1-33
Raymond T. Duncan	CIL, GA3 & MINING	9. API Well No.
3. Address and Telephone No. 1777 S. Harrison St. P-1 Denve		43-037-31276
		10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Descrip	otion)	Cave Canyon Ismay
mong ng/- a co auto-		11. County or Parish, State
T37S R24E Sec 33 SWSE		San Juan, UT
12. CHECK APPROPRIATE BOX(s)	TO INDICATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
X Notice of Intent	Abandonment	Change of Plans
Subsequent Report	Recompletion Plugging Back	Non-Routine Fracturing
Final Abandonment Notice	Casing Repair Altering Casing Other Change of Operator	Water Shut-Off Conversion to Injection Dispose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Raymond T. Duncan was the previous operator of the referenced well. Duncan Energy Company is now the operator of record. Offices, personnel and all operations will continue to be the same for Duncan Energy Company as they were for Raymond T. Duncan. Duncan Energy Company is responsible under the terms and conditions of the lease for operations conducted on the leased lands. This referenced well is in the Cave Canyon Lease Waterflood.

cc: State of Utah

14. I hereby certify that the foregoing is true and correct Signed	Tide Production Manager	Date January 21, 1991
(This space for Federal or State office use)		
Approved by	Title	Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form	31	60-5
(June	19	90)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM	APPR	OVED
Budget Bure	au No.	1004-013
Expires:	March	31, 1993

5. Lease Designation and Serial No. U-47876

6. If Indian, Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to dr	ill or to deepen or reentry to a different reservoir.	
Use "APPLICATION FO	R PERMIT—" for such proposats	NA
SUBMIT	IN TRIPLICATE	7. If Unit or CA, Agreement Designation Cave Canyon Lease
1. Type of Well Oil Gas Well Well Other See Belo	w 55 JAN 23 1991	Waterflood 8. Well Name and No.
2. Name of Operator	DIVISION OF	See Below
Raymond T. Duncan 3. Address and Telephone No.	Cil. GAS & Wining	9. API Well No. See Below
1777 S. Harrison St. P-1 Den 4. Location of Well (Footage, Sec., T., R., M., or Survey D	ver, CO. 80210 303-759-3303 escription)	10. Field and Pool, or Exploratory Area Cave Canyon Ismay
See Below		11. County or Parish, State San Juan, Utah
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPOR	T, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent	Abandonment Recompletion	Change of Plans
Subsequent Report	Plugging Back Casing Repair	New Construction Non-Routine Fracturing Water Shut-Off
Final Abandonment Notice	Altering Casing Some Change of Operator	Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
13. Describe Proposed or Completed Operations (Clearly state a	ll pertinent details, and give pertinent dates, including estimated date of starting	any proposed work. If well is directionally drilled

ations and measured and true vertical depths for all markers and zones pertinent to this work.)

Raymond T. Duncan was the previous operator of the Cave Canyon Lease Waterflood. Energy Company is now the operator of record for the Cave Canyon Lease Waterflood. Offices, personnel and all operations will continue to be the same for Duncan Energy Company as they were for Raymond T. Duncan. Duncan Energy Co. is responsible under the terms and conditions of the lease for operations conducted on the leased lands.

WELL NAME			ATIO			WELL STATUS	API #
Cave Canyon 3-2	T38S	R24E	Sec	3	NESW	Producing Oil Well	43-037-31120
Cave Canyon 4-3	11	11	11	4	NENE	11 11 11 .	43-037-31414
Cave Canyon 3-3	11	**	11	3	SENW	Shut in Oil Well	
Wells Federal 1-4	11	**	11	4	NENE	·	43-037-31413
Cave Canyon 3-1	11	11	**	3		Producing Oil Well	43-037-31028
	•••			_	SWNW	Water Injection Well	43-037-31095
1-Cave-Canyon-WSW			-: -; ···	-3 :	NESW	Water Supply Well	43-037-99998
Cave Canyon 4-4	11	. **	11	4	NENE	Producing Oil Well	43-037-31539
Cave Canyon 12-3	11	11	**	3	SWNW	Completing Oil Well	
Cave Canyon 13-3	tt	11	11	3	NWSW		43-037-31567
Cave Canyon 3-4	71	11	11	3	NWNW	Approved Drlg Location	43-037-31570
Cave Canyon 3-5	11	11	11	3		11 11 11	43-037-31542
				<i></i>	NWSE		43-037-31541

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				- 1	77		10	
				,		~~	11/1	,

Title Production Manager Date January 21, 1991 (This space for Federal or State office use)

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Division of Oil, Gas and Mining PHONE CONVERSATION DOCUMENTATION FORM

Rou ⁴	Well File	(Return Date) (To - Initials)	XXXOther OPERATOR CHANGE FILE.
1.	Date of Phone Call: 1-28-91	Time:10:0	10
2.		OMERO _ (Initiated Call []) - Phon CAN ENERGY COMPANY/N3370	_ (Initiated Call (A)) ne No. <u>(303</u>)759-3303
3.	Topic of Conversation:EFFECTIV	E DATE OF OPERATOR CHANGE:	
4.	Highlights of Conversation: EFFE REQUIRED FROM RAYMOND T. DUNCAN ONE IN THE SAME COMPANY).		



State of Utah DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D
Division Director

Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

January 30, 1991

Duncan Energy Company PH 1, 1777 S. Harrison St. Denver, Colorado 80210

Gentlemen:

RE: <u>Transfer of Authority to Inject - Cave Canyon #3-1 Well, Sec. 3, T. 38S, R. 24E - San Juan County, Utah</u>

The Division has received a request of operator change for the Cave Canyon #3-1 Well, from Raymond T. Duncan to Duncan Energy Company.

Please complete and return to our office the enclosed UIC Form 5, as required by R615-8-21 of the Oil and Gas Conservation General Rules.

If I can be of assistance, please contact me at (801)538-5340.

Sincerely,

Gil Hunt UIC Manager

lr Enclosure

Division of Oil, Gas and M OPERATOR CHANGE HORKS	ining	(PAGE 2)	Rout	7,714.
	eceived by the division rega hen completed. Write N/A if		le.	2- 3- 4-	
⊠xChange of Operator □ Designation of Oper		□ Designation of A □ Operator Name Ch		5- 6-	
The operator of the w	vell(s) listed below ha	s changed (EFFECT	IVE DATE:)	
TO (new operator) DUN (address)	NCAN ENERGY COMPANY	FROM (former	operator) DUN (address)	CAN, RAYMOND	T.
pho acc Hell(s) (attach addition	one () ount noN 3370 al page if needed):	and the second of the second o	phor acco	The state of the property laws frame.	and the second s
Name: CAVE CANYON #1-	0 13-3/DRAPI 4303731570 -4/DRL API 4303731542 -5/DRL API 4303731541 -33/ISMY API 4303731276 (WSW) API: (NOT ON SYS API: API:	Entity: 99999 Entity: 9775 B) Entity: Entity:	Sec_3_Twp_38\$ Sec_3_Twp_37\$ Sec_3_Twp_38\$F SecTwpF	Rng <u>24E</u> Lease Rng <u>24E</u> Lease Rng <u>24E</u> Lease Rng Lease	Type: <u>U-47876</u> Type: <u>U-40751</u> Type: <u>U-478</u> 76 Type:
OPERATOR CHANGE DOCUM	ENTATION				
l. (Rule R615-8- operator (Atta	10) Sundry or other ch to this form).	legal documentat	ion has been	received fr	om <u>former</u>
2. (Rule R615-8-1 (Attach to thi	O) Sundry or other <u>leg</u> s form).	documentation	has been rece	ived from <u>ne</u>	w operator
Operating any	of Commerce has been wells in Utah. Is coany file number:	ompany registered	new operator with the sta	above is not te? (yes/no)	currently If
comments secti	nd Federal Hells ONLY hone Documentation For on of this form. Mar take place prior to co	rm to this repo nagement review o	rt). Make no of Federal and	ote of BLM	a + > +
5. Changes have b listed above.	een entered in the Oil	and Gas Informat	ion System (W	lang/IBM) for	each well
6. Cardex file ha	s been updated for each	h well listed abo	ve.		
7. Well file labe	ls have been updated fo	or each well list	ed above.		
8. Changes have b for distributi	een included on the moon to State Lands and	onthly "Operator, the Tax Commission	Address, and n.	Account Chai	nges" memo
9. A folder has b placed there f	peen set up for the Ope or reference during rou	erator Change fil uting and process	e, and a copy ing of the ori	of this page ginal docume	e has been nts.

TOR CHANGE WORKSHEET (CONTINUED) Init each	item when completed. Write N/A	item is not applicable?
ITY REVIEW		
 (Rule R615-8-7) Entity assignment entity changes made? (yes/no) Form 6, Entity Action Form). 	s have been reviewed for a _ (If entity assignments w	all wells listed above. Were were changed, attach <u>copies</u> of
2. State Lands and the Tax Commiss entity changes.	ion have been notified	through normal procedures of
D VERIFICATION (Fee wells only)		
1. (Rule R615-3-1) The new operator proper bond. 2. A copy of this form has been place		
3. The former operator has requested Today's date 19 19	a release of liability f If yes, division	from their bond (yes/no) response was made by letter
SE INTEREST OHNER NOTIFICATION RESPONS	SIBILITY	
 (Rule R615-2-10) The former opera notified by letter dated person with an interest in such l notification has been requested. 	tor/lessee of any fee lead 19, of their ease of the change of ope	se well listed above has been responsibility to notify any rator. Documentation of such
2. Copies of documents have been sent	to State Lands for change	es involving State leases.
MING .		((
1. All attachments to this form have	been microfilmed. Date: _	19
ING		
1. Copies of all attachments to this	form have been filed in ea	ach well file.
2. The <u>original</u> of this form and the Change file.	e <u>original</u> attachments hav	
MENTS		
· · · · · · · · · · · · · · · · · · ·		

		ORKSHEET				Springer (green familier) op de tree en staat begen de steel gewond staat begen de steel gewond staat begen de Gebeure (green familier) op de steel gewond staat begen de steel gewond staat begen de steel gewond staat best Gebeure (green familier) op de steel gewond staat begen de steel gewond staat begen de steel gewond staat best	Routing:	
			the division regar				2- DTS 07 3- VLC 4- RJF	
	ge of Opera gnation of	tor (well so Operator		Designation of Operator Name		У	5- RWM / 6- LCR /a	
The ope	erator of the	he well(s) l	isted below has	changed (EFF	ECTIVE DATE:	6-21-90)	
TO (ne		DUNCAN ENERG PH 1, 1777 S DENVER, CO	S. HARRISON ST.	_ FROM (form		DUNCAN, RAYI 1777 S. HARI DENVER, CO	RISON ST.,	PH 1
Wolle		phone <u>(303</u> account no.	N 3370	- Cor	L.	phone <u>(303</u> account no.		
		tional page if	/		8			
Name : Na	CAVE CYN FEI CAVE CYN FEI WELLS FED # CAVE CANYON CAVE CANYON	D 4-3/ISMY / D 3-3/ISMY / / / / / / / / / / / / / / / / / / /	API: 4303731120 API: 4303731414 API: 4303731413 API: 4303731028 API: 4303731095 API: 4303731539 API: 4303731567	Entity: 9775 Entity: 9775 Entity: 9775	Sec 4 Tw Sec 3 Tw Sec 4 Tw Sec 3 Tw Sec 4 Tw	rp 38SRng 24E Lip 38S	ease Type: <u>U</u> ease Type:U	J-47876 J-47876 J-47876 J-47876 J-47876
OPFRATO	OR CHANGE D	OCUMENTATION			•			
Let 1.	(Rule R615 operator (A	5-8-10) Sund Attach to th	ry or other] is form).(\(\int_{\chick{\ch	-23-91/				•. •
	(Attach to	this form).	Rec. 1-23-91)	<u>xi</u> documentati	ion nas been	received tro	m <u>new</u> oper	ator
fer 3.		any werrs in	erce has been Utah. Is co number: <u># 1102</u>	mpanv registe	the new opera red with the	ator above is state? (yes	not curre no) <u>Yes</u>	ntly If
Jely 4.	comments s	repnone voc ection of th	al Hells ONLY) umentation For nis form. Man ace prior to co	m to this r agement revie	eport). Mal w of Federa	ke note of I and Indian	RIM ctatue	· in
445.	iizten ano.	78.[<i>]-2[7]]</i>	red in the Oil			em (Wang/IBM)	for each	well
<u>let</u> 6.	Cardex file	e has been up	odated for each	well listed	above.			
fec 7.	Well file	labels have b	peen updated fo	or each well 1	isted above.			
jer 8.	Changes hav	ve been incl	uded on the mo	onthly "Operat	or, Address,	, and Account		
Jer 9.	A folder h	as been set re for refere	up for the Ope	rator Change ting and proc	file, and a essing of th	copy of this e original do	page has	been [.]

EASTMAN CHRISTENSEN

RECORD OF SURVEY

FOR

*	* * * * * *	-X-	* * * * * * * * * * * * * * * * * * *	×
* -				-X
*	OPERATOR	:	DUNCAN ENERGY	*
*				×
*	WELL NAME	:	CAVE CANYON 12-3	×
*				-X
*	LOCATION	:	SAN JUAN COUNTY, UTAH	×
-X-				×
*	JOB NUMBER	:		*
÷				*
*	RIG	;		-X
*				×
-X-	DECLINATION	:	0.00 E	*
*				*
*			PLANE OF VERTICAL SECTION	×
*				×
*			DIRECTION : S 59 2 W	X
*				*
*	* * * * * *	-X-	* * * * * * * * * * * * * * * * * * * *	*

EC DISTRICT : ROCKY MOUNTAIN DIST.

DATE PRINTED : 19-MAR-91 OUR REF. NO. : S03443.0DZ

PAGE NO.

6.12

JOB NUMBER

DRIFT DRIFT TRUE MEASURED COURSE VERTICAL RECTANGULAR CLOSURE DOGLEG ANGLE DIRECTION LENGTH VERTICAL SECTION C O O R D I N'A T E S DISTANCE DIRECTION SEVERITY DEPTH D M M G DEPTH D M 0.00 0.00 0.00 0 0 N 0 0 E 0.00 0.00 0.00 N 0.00 E 0.00 S 90 0 E 2000.00 0 0 N 0 0 E 2000.0 2000.00 0.00 0.00 N 0.00 E 0.00 S 90 0 E 0.00

PBHL : S 59 2 W

0 30 N 88 0 W 43.00 0.16 0.19 W 2043.00 2043.00 0.01 N 0.19 N 88 0 W 1.16 1 0 S 86 0 W 453.00 2495.96 5.34 0.20 S 2496.00 6.11 W 6.11 \$ 88 7 W 0.11 0 45 S 26 2994.00 0 W 498.00 2993.91 11.94 3.43 S 11.87 W 12.36 S 73 52 W 0.18 15.18 ¥493.00 0 15 N 58 0 W 499.00 3492.90 5.79 S 14.23 W 1.5.36 S 67 51 W 0.16 7991,00 0 15 N 46 0 E 498.00 3990.89 14.61 4.46 S 14.36 W S 72 45 W 0.08 15.04 2.17 S 0.05 0 30 N 45 0 E 499.00 4489.88 11.44 4490.00 12.04 W 12.24 5 79 48 W 4638.00 0 45 N 53 0 E 148.00 4637.87 9.85 1.13 S 0.18 10.81 W 10.87 S 84 3 W 0.89 S 0 45 N 52 0 E 29.00 10.55 S 85 4667.00 4666.87 9.47 10.51 W 8 W 0.05 4728.00 1 0 S 83 0 W 61.00 4727.87 9.56 0.71 S 10.72 W 10.75 S 86 12 W 2.77 1.16 S 12.55 S 84 42 W 2 30 S 73 0 W 60.00 4787.84 11.31 12.50 W 4788.00 2.54 2.81 S 15.64 W 15.89 S 79 48 W 4 15 S 56 0 W 61.00 4848.73 14.86 3.27 4849.00 5.98 S 5 45 S 55 0 W 64.00 4912.48 20.43 20.23 W 21.10 S 73 32 W 2.35 4913.00 36.19 5045.00 8 0 S 55 0 W 132.00 5043.53 15.04 S 33.18 W 36.43 S 65 37 W 1.70 9 30 S 50 0 W 127.00 5172.00 5169.05 55.36 26.85 S 48.45 W 55.39 S 61 0 W 1.32 9 30 S 48 0 W 124.00 5291.35 75.50 40.27 S 63.89 W 5296.00 75.52 S 57 47 W 0.27 85.36 46.91 S 10 45 S 49 0 W 57.00 5353.00 5347.46 71.40 W 85.43 S 56 42 W 2.21 12 30 S 49 5415.00 0 W 62.00 5408.18 97.66 55.10 S 80.83 W 97.82 S 55 43 W 2.82 13 0 S 54 31.00 5438.42 104.44 59.35 S S 55 27 W 3.91 _5446.00 0 W 86.18 W 104.64 0 S 59 0 W 32.00 5469.60 63.32 S 3.51 5478.00 13. 111.62 92.18 W 111.83 S 55 31 W 14 0 S 60 118.86 66.99 S 98.41 W S 55 45 W 0 W 31.00 5499.74 119.05 3.31 5509.00 5541.00 14 45 S 62 0 W 32.00 5530.74 126.79 70.84 S 105.36 W 126.96 S 56 5 W 2.81 78.51 S 16 30 S 65 0 W 64.00 5592.38 143.97 120.79 W 144.07 S 56 59 W 5605.00 3.01 31.00 5622.04 152.90 82.17 S 3.06 5636,00 17 15 S 67 0 W 129.01 W 152.96 S 57 30 W 2.82 5691.00 18 30 S 70 0 W. 55.00 5674.39 169.55 88.34 S 144.72 W 169.55 S 58 36 W 5 0 S 70 0 W 222.00 5891.23 213.83 103.76 S 187.11 W 213.95 S 60 59 W 6.08 5913.00

216.76

216.91 CLOSURE - DISTANCE : DIRECTION: S 61 7 W

0 W 49.00

5940.13

2 0 S 70

5962.00

REPORT UNITS : Feet SURVEY CALCULATION METHOD : Minimum curvature

216.91 S 61 7 W

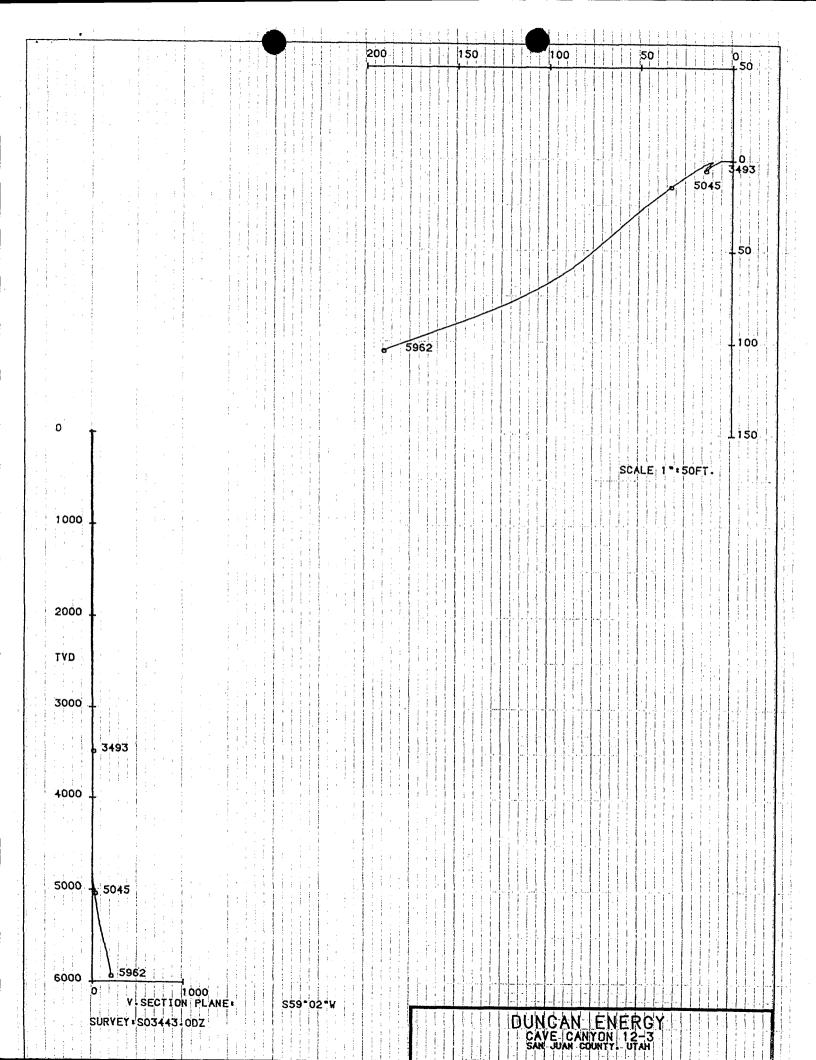
189.92 W

Accepted by : Checked by :

104.79 S

SURVEY RUN INFORMATION

MAGNETIC SINGLE SHOT SURVEY 413-568
DIRECTIONAL DRILLER: MR. V.STAPLES



SUBMIT IN DUPLIC (See other instructi on reverse side)

SUBMIT IN DUPLICATE CONFIDE 86 64 01

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OUR GAS AND MINING

(DIVISION OF	OIL,	GAS, AN	D M	INING					5. LEASE DES	IGNAT	TION AND BERIAL NO.	
			•							U47876			
WELL CO	MPLETION	1 OR	RECO	MPI	FTION R	REPOR	ΤΔΝ	ID I O		6. IF INDIAN,	ALLG	TTEE OR TRIBE NAME	
1a. TYPE OF WEI										— NA			
L TYPE OF COM		ELL C	WELL (_1	PRT	Other				7. UNIT AGE	_		
NEW X		EEr-	PLUG [7	DIFF. CESVR.	044		•		S. FARM OR		n Lease Water	rfloc
2. NAME OF OPERAT			BACK		EESVR.	Other						Federal	
Du	ncan Energ	y Coi	mpany		,		* •	•		9. WELL NO.	Lyon	rederar	
3. ADDRESS OF OPE										12-3		•	
	77 S. Harı									10. FIELD AN	D POO	L, OR WILDCAT	
4. LOCATION OF WE	CLO Report loca	tion clea	of Tree	accord	ance with any	y State re	quireme	ita)*		Cave Car	iyon	Field	
At suitace 1	610' FNL 8	130	O: FWL	SWNV	V Sec 3					11. SEC., T., I OR AREA	L., M.,	OR BLOCK AND SURVEY	
At top prod. in	terval reported i	selow 1	714' FN	L &	1114' FV	AL est						2012	
At total depth	1715' FNL	& 11	10' FWL						•	Sec 3 Ti	385	KZ4E	
					. PERMIT NO.		DATE	ISSUED		12. COUNTY) R	13. STATE	,
				43	3-037-31	567	1	1-5-90		SAn Juan	n.	Utah	
15. PATE SPUDDED	16. DATE T.D.	REACHE	3		PL. (Ready to	prod.)				B, RT, GR, ETC.)*	19.	ELEY. CASINGREAD	
12-12-90	1-14-91			24-9	91		5350	' GL 53	362 '	KB		-	
20. TOTAL DEPTH, MD 5962 MD/5940			K T.D., 300 A	TVD	HOW M	TIPLE COL	CPL.,		LED B	S ROTARY TOO	LS	CABLE TOOLS	
24. PRODUCING INTE	1								->	0-5962'			_
						ID AND T	VD)*			•	2	5. WAS DIRECTIONAL SURVEY MADE	
5884-77, 5	873-70, 58	866–6	1, 5844	-39	I smay							yes	
26, TIPE ELECTRIC	AND OTHER LOGS	RUN		4		0.01					27	WAE WELL CORED	
Sonic, CBL	/CD JP-TT	W 44	yberlo	اجد	<i>ا~ا</i> -ا مده	8-91	0 0					NO	
28.	WDIL	ww	CAS	ING R	ECORD (Rep	ort all str	inga set	in well V				NO	
CASING SIZE	WEIGHT, LE	/FT.	DEPTH 8			LE SIZE	1		(ENTI	NG RECORD		AMOUNT PULLED	
8 5/8"	24#		2001'		121	4"1	10	00 sx.]	ite			None	•
•							1	00 sx (llas	s G & Add.	·		•
<u>5 ½"</u>	15.5#		5960 '		7	7/8"	3	65 sx (Clas	s G & Add.		None	_
 29.		T 73173	1				!					<u> </u>	
SIZE	TOP (MD)		R RECORD					30.		TUBING RECO			
	TOP (MB)	B011	OR (MB)	BACE	S CEMENTS	SCREEN	(MD)	2 7/3	511-	DEPTH SET (M	D)	PACKER SET (ND)	-
		 		-						5758		AC 5663'	-
31. PERFORATION RE-	CORD (Interval,	size and	number)	<u></u>		82.	A	CID. SHOT	FRA	CTURE, CEMEN	r sot	TEEZE ETC	-
					:	DEPTH	INTERV		1	AMOUNT AND KIN			-
58 39- 5884	' 4 JSPF			•		1	-5884		100	00 gal 28%			-
						5839-	-5884					& 15500 gal	WF40
	-											-	H20
33.*						<u> </u>							_
DATE FIRST PRODUCT	rion PRO	DUCTION	METHOD (Florois	PROI ng, gas lift, pr	DUCTION		tune of au				(B.)	
1-24-91					BHD rod		TOO GAG	spe of pu	np,	ehu ehu	t-in)	us (Producing or Prod.	
DATE OF TEST	HOURS TESTE		HOKE SIZE		ROD'N. FOR	OIL—8	ĖŁ.	GASH	CF.	WATER-BBI		GAS-OIL RATIO	-
3-2-91	24		, NA	. 7	EST PERIOD	275		110		1 0		400	
PLOW. TUBING PRESS.	CASING PRESS		ALCULATED		IL—BBL.	G.	AS-MCF		WAT	ER	OIL	GRAVITY-API (CORR.)	-
NA	0				275		110			0		42.4	
34. DISPOSITION OF			vented, etc.)	·	· · · · · ·				TEST WITHE			-
Sold- Koch	-	DOLI	5.			-				Arkie E	row	ning	
Logs and sub		irect	ional o	311737	ev sent	to the	e BIM	& Stat	e 01	f Iltah			-
36. I hereby certify					-								_
		*	11.								record	le	
SIGNED	nachs	U	mee		TITLE OP	eratio	ons Si	uperint	end.	nt DAT	е <u>3-</u>	18-91	

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State submitting a complete and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, pursuant to applicable Federal and/or State laws and regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal andor the regard to local, area, or regional procedures and practices, either reports for separate completions. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. All attachments in or file procedure the time this summary record is submitted, roples of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

114 Here are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements.

Literal outcome which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in site 24 show the producing literal solutions. Solutions well is completed for separate production from more than one interval zone (multiple completion), so state in item 24, and in item 24 show the producing literal solutions, or literals, top(s), bottom(s) and name(s) (if any) for only the interval solutions are report (page) on this form, adequately identified, for one hadditional interval to be separately produced, showing the additional data pertinent to such interval and the location of the cementing tool. Hem 29: "Sacks Coment": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

31. BUMMARY OF POROUS ZONES: AID CONTENTS THEREOF;	F POROBITY AND CONTEN	THE THEREOF! CORED INTERFALS; AND ALL DRILL'STEM TESTS, INCLUDING	88. GROLOC	OROLOGIC MARKERS	
DEPTH INTERVAL TESTED, CUSE	HON UBED, TIME TOOL O			101	4
FORMATION TOP	BOTTOM	DESCRIPTION CONTENTS and	MAKE	MEAR. DRPTH	TRUB VRRT. DRPTH
			Upper Ismay 5734 Carbonate Mound 5832 Hovenweep Shale 5886 Lower Ismay Anh. Top 59 L. Ismay Anh. Top 59 L. Ismay Anh. Base	5734' ad 5832' le 5886' 5908' Top 5924' Base 5954!	57151 58081 58591 58801 58951
APR 0.1 1991 DIVISION OF OIL GAS & MINING	(w) _ 2				



DIVISION OF

OIL GAS & MINING

SURVEY CERTIFICATION SHEET

Company DUNCAN ENERGY	Job # 413-568	Date_	3/19/91	· 5 - 1*
Lease CAVE CANYON	Well # 12-3	State_	UTAH	
Surveyed from a depth of 2000	feet to a dep	th of _	5962	feet.
Type of Survey MAGNETIC SING	SLE SHOT			
Directional Supervisor/Surveyor	VAUGHN STAPLES	5		
The data for this survey and the and performed by me according to by Eastman Christensen Company knowledge.	the standards a	nd prod	t to the be	set forth est of my

The data and calculations for this survey have been checked by me and conform to the standards and procedures as set forth by Eastman Christensen Company. This report represents a true and correct Directional Survey of this well based on the original data obtained at the well site:

Checked by:

Original Copy - District Office File One copy to Houston Office FORM D-1121

Di	VISION OF OIL, GAS A	1 □[kylι∦ιι	NG		Ш	
	1	೧೧೬	JUL 17 1995	14	-ે.	ease Designation and Serial Number:
OUNDRY NO.	TIOTO AND DEPON					UTU 47876
SUNDRY NO	TICES AND REPORT	_	FOIL, GAS & MI	NIN 7		Indian, Allottee or Tribe Name:
Do not use this form for proposals to drill		recentor plue	gad and shandened wells.		7.	Jnit Agreement Name:
	OR PERMIT TO DRILL OR DEEPEN fo	rm for such p	roposals.			
Type of Well: OIL X GAS	OTHER:				8. \	Nell Name and Number: Cave Canyon Federal 12-3
2. Name of Operator: Giant Exploration & Production	on Company				9. /	API Well Number: 43-037-31567
3. Address and Telephone Number:	on Company				10	
P.O. Box 2810, Farmington, N	New Mexico 87499 (503	5)326-33	25		ıu.	Field and Pool, or Wildcat: Cave Canyon, Ismay
4. Location of Well:		,				July Sun, Ibility
Footages: 1610' FNL, 1300' F	WL				Cou	nty: San Juan
QQ, Sec., T.,R.,M.: SW/4, NW/	4, Sec. 3, T38S, R24E				State	e: Utah
	PRIATE BOXES TO INC	DICATE	NATURE OF NOTICE,	RE	POF	RT, OR OTHER DATA
NOTICE OF IN	NTENT				S	UBSEQUENT REPORT
(Submit in Dupl	licate)				(8	ubmit Original Form Only)
Abandonment	New Construction		Abandonment *			New Construction
Casing Repair	Pull or Alter Casing		Casing Repair			Pull or Alter Casing
Change of Plans	Recompletion		Change of Plans			Shoot or Acidize
Conversion to Injection	Shoot or Acidize		Conversion to Inject	ction		Vent or Flare
Fracture Treat	Vent or Flare		Fracture Treat			Water Shut-Off
Multiple Completion	Water Shut-Off		X Other Change of	Оре	erate	or
Other .						·
			Date of work completion	on _		
Approximate date work will start	·				-	ons and Recompletions to different reservoirs on WELL-
			COMPLETION OR RECO			·
			* Must be accompanied by a			
 DESCRIBE PROPOSED OR COMPLETED OP vertical depths for all markers and zones pertin 		details, and	give pertinent dates. If well is direc	tionally	y drille	d, give subsurface locations and measured and true
•	•	he above	mentioned well from	Dur	ncar	n Energy Company effective 06-23-95.
	, , , , , , , , , , , , , , , , , , ,					a management of the second
						·
						•
•						
•			•			
		•				
						•
13.						
	$\bigcirc PV$					
Name & Signature Jeffrey R. Vaughan			Title: Vice Presi	ident	t/Op	erations Date: JUL 1 4 1995

Title 18 U.S.C. Section 1001, makes it a crime	e for any person knowingly and willfully to make to a	ny department or agency of the United States any false,
Conditions of aproval, if any:	Associate District Mana	nger
(This space for Federal or State office the Approved by	ise) Title	Date
14. I hereby certify that the foregoing is true Signed Jeffrey R. Vaughan	Title Vice President/Operations	Date JUL 1 4 1995
Wells Federal 1-4 - API # 43-	-037-31028	
Cave Canyon WSW 1 - API #		DIV. OF OIL, GAS & MINING
Cave Canyon Federal 12-3 - A		
Cave Canyon Federal 4-5 - A		JUL 2 5 1995
Cave Canyon Federal 4-4 - A		UL 25 1005 LU
Cave Canyon Federal 4-3 - A		
Cave Canyon Federal 3-3 - A		
Cave Canyon Federal 3-2 - A		
Cave Canyon Federal 3-1 - A		
-	well and API # for Lease Number UTU4787	76:
effective 06-23-95. Giant's b	ond number is SLR 111 3289 3097.	
· •	ion Company purchased the above mentioned	lease from Duncan Energy Company
	ions and measured and true vertical depths for all mar	•
	ons (Clearly state all pertinent dates, including estimat	ed date of starting any proposed work. If well is
Final Abandonment Notice	X Other Change of Operator	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
	Altering Casing	Conversion to Injection
Subsequent Report	Casing Repair	Water Shut-Off
	Plugging Back	Non-Routine Fracturing
Notice of Intent	Recompletion	New Construction
	Abandonment	Change of Plans
TYPE OF SUBMISSION	TYPE OF AC	
12. CHECK APPROPRIATE BOX(s) TO	D INDICATE NATURE OF NOTICE, REPORT, O	
T. Lucation of well (routage, Sec., 1., K., M	., or ourvey Description)	San Juan, Utah
4. Location of Well (Footage, Sec., T., R., M		Cave Canyon 11. County or Parish, State
 Address and Telephone No. P.O. Box 2810, Farmington, New 	Weyico 87/00 (505)226 2225	10. Field and Pool, or Exploratory Area
Giant Exploration & Production	Company	10 E-11 - 12 1 E -
2. Name of Operator	Commence	9. API Well No.
	Well Other	
I. Type of Well		8. Well Name and No.
SUBMIT I	N TRIPLICATE	
Use "APPLICATION	N FOR PERMIT" for such proposals EAU COLLEGE	
Do not use this form for proposals t	o drill or to deepen or reentry to a different reservoir,	7. If Unit or CA. Agreement Designation
	ES AND REPORTS ON WELLS	
	F LAND MANAGEMENT 95 JUL 10	6011 Indian, Allottee or Tribe Name
	ENT OF THE INTERIOR	5. Lease Designation and Serial No. UTU47876
¥TM	NITED STATES	Expires: March 31, 1993
(June 1990)		Budget Bureau No. 1004-0135
Form 3160-5		FORM APPROVED

Giant Exploration & Production Company Several Wells Secs. 3 & 4, T. 38 S., R. 24 E. San Juan County, Utah Lease UTU47876

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Giant Exploration & Production Company is considered to be the operator of the above wells and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by NM1759 (Principal - Giant Exploration & Production Company) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

DUNCAN ENERGY CO→

.m OGCC-1 be SUBMIT IN TRIPLICATE* STATE OF UTAH (Other instructions on re-5. LEASE DESIGNATION AND SERIAL NO. OIL & GAS CONSERVATION COMMISSION UTU47876 6. IF INDIAN, ALLOTTER OR TRIBE HAME SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.

Use "APPLICATION FOR PERMIT-" for such proposals.) 7. UNIT AGREEMENT NAME WELL WELL OTHER 3. HAME OF GREEATOR S. FARM OR LEASE NAME Duncan Energy Company R ADDRESS OF OFSTATOR 9. WHILE NO. 1777 South Harrison Street, P-1, Denver, CO 80210 EGGATION OF WELL (Report location clearly and in accordance with any State requirements.*

At surface 10. TIBLE AND POOL, OR WILDCAT Cave Canyon II. SEC., T., R., M., OR SEE, AND MURYET OR AREA See Below 14. PERKIT NO. 15, Stavations (Show whether ny, ar, on, etc.) 12. COUNTY OF PARISE 18. STATE San Juan Utah 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data MOTICA OF INTENTION TO: TEST WATER SHOT-OFF REPAIRING WELL PULL OR ALTER CASINO WATER SHUT-038 PRACTURE TREAT MULTIPLE COMPLETE ALTERING CABING FRACTURE TREATMENT SHOOT OF ACROTES ARANDON* SHOOTING ON ACIDIZING **本本人的ななが利用的する** REPAIR WELL CHANCE PLANS (Other) (None: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) (Other) 17. DESCRIBE PROPOSED OR COMPLEXED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markets and some pertinent to this work.). Effective 6-23-95, Giant Exploration & Production Company has taken over operations of the above-mentioned lease. Listed below are the purchased wells and API #s for Lease Number UTU47876: Cave Canyon Federal 3-1 - API #43-037-31095, Sec. 3-T385-R24E Cave Canyon Federal 3-2 - API #43-037-31120, Sec. 3-T38S-R24E Cave Canyon Federal 3-3 - API #43-037-31413, Sec. 3-T38S-R24E Cave Canyon Federal 4-3 - API #43-037-31414, Sec. 4-T38S-R24E Cave Canyon Federal 4-4 - API #43-037-31539, Sec. 4-T38S-R24E Cave Canyon Federal 4-5 - API #43-037-31695, Sec. 4-T38S-R24E Cave Canyon Federal 12-3 - API #43-037-31567, Sec. 3-T38S-R24E Cave Canyon WSW 1 - API #43-037-99998, Sec. 3-T38S-R24E Wells Federal 1-4 - API #43-037-31028, Sec. 4-R38S-R24E 18. I hereby certify the is true and correct TITLE Sr. SIGNED Production Engineer (This space for Federal or State office use!

TITLE

DATE

,					
	on of Oil, Gas and Mining TOR CHANGE HORKSHEET		(PAGE 2)	۲	Routing:
	all documentation received by the division leach listed item when completed. Write				2-LWP/7-PL/ 3-DP/8/8-SJ 4-VLC/9-FILE
	nge of Operator (well sold) ignation of Operator		n of Agent ame Change Only		5-RJF 6-LWP
The o	perator of the well(s) listed bel	ow has changed (E	FFECTIVE DATE:	6-23-95)
TO (ne	ew operator) (address) GIANT EXPLOR & PROD PO BOX 2810 FARMINGTON NM 87499	•	ormer operator) (address)	DUNCAN ENERGY 1777 S HARRIS DENVER CO 80	ON ST PH #1
	phone (505) 326–332 account no. <u>N</u> 0075	5		phone (303)7 account no	
Hell(s	5) (attach additional page if needed):	(CAVE CANYON	SECONDARY RECO	VERY UNIT)	
Name: Name: Name: Name:	CAVE CANYON FED 12-3/ISAPI: 43-03 WELLS FEDERAL 1/ISMY API: 43-03 API: API: API: API: API: API: API: API:		Sec4 Tw Sec Tw Sec Tw Sec Tw	p 38S Rng 24E Lea pRng Lea pRng Lea pRng Lea	se Type: <u>U478</u> 7 se Type: se Type: se Type:
Lee 1. Le 2.	(Rule R615-8-10) Sundry or ot operator (Attach to this form). (Rule R615-8-10) Sundry or other (Attach to this form).	<i>(kg. 71845) (keo'd)</i> r <u>legal</u> documenta 7-17-95)	tion has been	received from	new operator
	The Department of Commerce has I operating any wells in Utah. yes, show company file number:	25 company regrat	cica with the	state: (yes/ii	O/ II
	(For Indian and Federal Hells (attach Telephone Documentation comments section of this form. changes should take place prior	nanagement revi	iew of Federal	ana Inalan w	ell operator
<u>LC</u> 5.	changes should take place prior Changes have been entered in the listed above. $(8-8-95)$	e Oil and Gas Inf	ormation Syste	m (Wang/IBM) f	or each well
ûP 6.	Cardex file has been updated for	each well listed	above.8-44-9	·se	
MP 7.	Well file labels have been updat	ted for each well	listed above.	1-14-95	
l l	Changes have been included on t for distribution to State Lands	and the lax commi	\$\$100. \(\gamma_g\gamm	5/	
<u>L</u> c9.	A folder has been set up for the placed there for reference durin	e Operator Change	file, and a	r Copy of this p	age has been

OPERATOR CHANGE WORKSHEET (CONTINUED) Initial each item when completed. Write N/A if item is not applicable.
ENTITY REVIEW
1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Wer entity changes made? (yes/no) (If entity assignments were changed, attach <u>copies</u> of Form 6, Entity Action Form).
N/a 2. State Lands and the Tax Commission have been notified through normal procedures o entity changes.
BOND VERIFICATION (Fee wells only)
NA/1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) Today's date 19 1f yes, division response was made by lette dated 19
EASE INTEREST OWNER NOTIFICATION RESPONSIBILITY
1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated
1/12. Copies of documents have been sent to State Lands for changes involving State leases.
ILMING
1. All attachments to this form have been microfilmed. Date: august 21 19 95
ILING
1. <u>Copies</u> of all attachments to this form have been filed in each well file.
2. The <u>original</u> of this form and the <u>original</u> attachments have been filed in the Operator Change file.
OMMENTS
950725 Bim/moab aprv. eff. 6-23-95.

WE71/34-35

(2/93)

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

01 2	Page_	2	of	2
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1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:			UTA	H ACCOUNT NUMBI	N0075	
DIANE G JARAMILLO GIANT EXPLOR & PROD CO PO BOX 2810 FARMINGTON NM 87499				ORT PERIOD (MONT	· <u></u>	
			AME	ENDED REPORT (Highlight Change	s)
Well Name	Producing	Well	Days	T T	Production Volumes	
API Number Entity Location	Zone	Status	Oper	OIL(BBL)	GAS(MCF)	T
CAVE CANYON 3-2					 	WATER(BBL)
4303731120 09775 385 24E 3 ✓ CAVE «CANYON»1=337	ISMY	ļ		N47876	Care Cyn Unit	
4303731276 09775 375 24E 33 ✓ CAVE CANYON 3-3.4	ISMY			14.751	"	
\$303731413 09775 38S 24E 3	ISMY			447876	II	
4303731414 09775 385 24E 4	ISMY			4	11	
4303731539 09775 38S 24E 4	ISMY			TT.	11	
CAVE CANYON EEDERAL 12-3 (4303731567 09775 385 24E 3	ISMY			u	11	
CAVE CANYON EEDERAL 4-5- りつ3731695 09775 385 24E 4				u	11	
9303/31695 09/75 385 24E 4 CAVE CANYON:413=3!	ISMY					
4303731766 09775 385 24E 3 GAGE FOSTER #1?	ISMY			11	4	
\$303731463 10991 375 23E 32 ✓ HATCH POINT #17	DSCR			ML43698		
4303731658 11356 29S 21E 14	LDLL			461791		
Gothse mese 16-11: 43-037-15042 6008 415 23E 11	DSCR	/wiw		1420602243	Lothic Mise Unit	New.
Cave Canyon 3-1	Ismy	WIW		114787/	Cave Cyn Unit	
	1-1	NII.				
		<u>'</u>	TOTALS			
			[
OMMENTS:						
ha e anni fire al conti						, <u>.</u>
hereby certify that this report is true and complete to the	he best of my	y knowledge.		Da	te:	
ame and Signature:				1	elephone Number:	

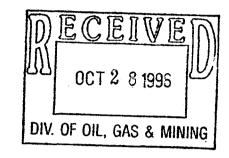
	U-47876
SUNDRY NOTICES AND REPORTS ON V	VELLS 6. If Indian, Allottee or Tribe Name:
	NA
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter pl	ugged and abandoned wells. 7. Unit Agreement Name:
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such	proposals. NA
Type of Well: OIL X GAS OTHER:	8. Well Name and Number: Cave Canyon Fed. 12-3
2. Name of Operator:	9. API Well Number:
Central Resources, Inc.	43-037-31567
3. Address and Telephone Number:	10. Field and Pool, or Wildcat:
1775 Sherman Street, Suite 2600 Denver, CO 80203 303-83	0-0100 Cave Canyon, Ismay
4. Location of Well:	
Footages: 1610' FNL & 1300' FWL	County: San Juan
QQ, Sec., T.,R.,M.: SW NW Sec. 3-T38S-R24E	State: Utah
11. CHECK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPORT, OR OTHER DATA
NOTICE OF INTENT	SUBSEQUENT REPORT
(Submit in Duplicate)	(Submit Original Form Only)
Abandonment New Construction	Abandonment * New Construction
Casing Repair Pull or Alter Casing	Casing Repair Pull or Alter Casing
Change of Plans Recompletion	Change of Plans Shoot or Acidize
Conversion to Injection Shoot or Acidize	Conversion to Injection Vent or Flare
Fracture Treat Vent or Flare	Fracture Treat Water Shut-Off
Multiple Completion Water Shut-Off	X Other Change of Operator
Other	·
	Date of work completion
Approximate date work will start	Report results of Multiple Completions and Recompletions to different reservoirs on WELL
	COMPLETION OR RECOMPLETION AND LOG form.
	* Must be accompanied by a cament verification report.
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)	
Effective 0/1/06 an audience of the subject of 11	
Effective 9/1/96 operations of the subject well were transferre	d from Giant Exploration & Production Company
to Central Resources, Inc.	लिश्याश्चर्य जा
	D) ECEIVEIN
•	OCT 0 7 1996
-1	DIV. OF OIL, GAS & MINING
Giant Exploration & Production Company	Production/Populators V
Name & Signature 0111111111111111111111111111111111111	Title: Production/Regulatory Manager Date: August 30, 1996
13.	
Central Resources, Inc.	Fraincering Technicism
Name & Signature Mule Willauley	Title: Engineering Technician Date: August 30, 1996

CENTRAL

RESOURCES, INC.

October 23, 1996

Ms. Lesha Cordova State of Utah Division of Oil, Gas & Mining 1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, Utah 84114-5801



Re: Monthly Oil & Gas Production Report

Dear Ms. Cordova:

Central Resources, Inc. purchased all assets from Giant Exploration & Production Company effective September 1, 1996.

Central is in the process of acquiring a Utah Account Number. However, to avoid mailing the enclosed Monthly Oil and Gas Production Report late, the account number on the report has been left blank.

If you have any questions regarding this matter, please contact Edna Wageman or myself at (505) 326-3325.

Sincerely,

Diane \forall . Jaramillo by $\varepsilon\omega$

Diane G. Jaramillo Office Supervisor

DGJ/

* 961028 Not lived Open N6935 " Central his . Inc."
(Cly not finalized yet!)

Enclosure

Form 3160-5 (June, 1990)

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SI	INDRY	NOTICES	AND	DEDUDTO	ON WEL	10

FORM APPROVED

Expires: March 31, 1993

	Lease	Designation	and	Serial	No.
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	NOTICES AND	ILLI OILIO OIL WELLS	UTU47876
Do not use this form for	or proposals to drill, or to o	deepen or reentry to a different reservoir.	6. If Indian, Allotte or Tribe Name
Use "AP	PLICATION FOR PERMIT	" for such proposals	
SUBMIT	N TRIPLICATE		7. If Unit or CA, Agreement Designation
1. Type of Well	_		
X Oil Well	Gas Well	Other	8. Well Name and No.
2. Name of Operator			Cave Canyon 12-3
Central Resources, Inc.			9. API Well No.
3. Address and Telephone No.			43-037-31567
1775 Sherman Street, S	Suite 2600, Denver	, Colorado 80203 (303)830-0100	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, T, R, M, o	r Survey Description)		Cave Canyon, Ismay
1610' FNL & 1300' FWL			11. County or Parish, State
SW NW Sec. 3-T38S-R24E		No.	San Juan, NM
12. CHECK APPROPRIA	TE BOX(s) TO INDICA	ATE NATURE OF NOTICE, REPORT, C	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
F		Abandonment	Change of Plans
Notice of Intent		Recompletion	New Construction
		Plugging Back	Non-Routine Fracturing
Subsequent Report		Casing Repair	Water Shut-Off
		Altering Casing	Conversion to Injection
Final Abandonment Notice		Surface Casing/Cementing	Dispose Water
)	Other: CHANGE OF OPERATOR	(Note: Report results of multiple completion on Well
	· .		
		details, and give pertinent dates, including estimate d true vertical depths for all markets and zones perti	
If well is directionally drilled, give subsurface Please be advised that effect referenced well. Bond cover Resources, Inc. under their s	tive September 1, age pursuant to 4 tatewide bond, Bl	true vertical depths for all markets and zones perting 1996, Central Resources, Inc. as 3 CFR 3104 for lease activities i LM Bond No. B06175. They will	d date of starting any proposed work. nent to this work.)* ssumed operatorship of the s being provided by Central be responsible for compliance
Please be advised that effect referenced well. Bond cover Resources, Inc. under their s	tive September 1, age pursuant to 4 tatewide bond, Bl	t true vertical depths for all markets and zones perting the vertical depths for all markets and zones perting the vertical for lease activities in the vertical depths and zones perting the vertical formula of the vertical depths and zones perting the vertical depths and zones perting the vertical depths for all markets and zones perting the vertical depths for all markets and zones perting the vertical depths for all markets and zones perting the vertical depths for all markets and zones perting the vertical depths for all markets and zones perting the vertical depths for all markets and zones perting the vertical depths for all markets and zones perting the vertical depths for all markets and zones perting the vertical depths for all markets and zones perting the vertical depths for all markets and zones perting the vertical depths for all markets and zones perting the vertical depths for all markets and zones perting the vertical depths for all markets and zones perting the vertical depths for all markets and zones perting the vertical depths for all depths for all zones perting the vertical depths for all dept	d date of starting any proposed work. nent to this work.)* ssumed operatorship of the s being provided by Central be responsible for compliance
Please be advised that effect referenced well. Bond cover Resources, Inc. under their s	ive September 1, age pursuant to 4 tatewide bond, Bl	d true vertical depths for all markets and zones pertical from 1996, Central Resources, Inc. as 3 CFR 3104 for lease activities in LM Bond No. B06175. They will portion of the lease associated to the second secon	d date of starting any proposed work. The second operatorship of the second provided by Central be responsible for compliance with this notice. NOV 2 5 1996
Please be advised that effect referenced well. Bond cover Resources, Inc. under their s	tive September 1, age pursuant to 4 statewide bond, Blonditions for that process of the CONDITION	1996, Central Resources, Inc. as 3 CFR 3104 for lease activities i LM Bond No. B06175. They will portion of the lease associated v	date of starting any proposed work. rent to this work.)* ssumed operatorship of the speing provided by Central be responsible for compliance with this notice. DECEIVE NOV 2 5 1996 DIV. OF OIL, GAS & MINING HED
Please be advised that effect referenced well. Bond cover Resources, Inc. under their sunder the lease terms and country that the lease terms are considered. I hereby certify that the foregoing is true and sorrect Signed:	cive September 1, age pursuant to 4 statewide bond, Blonditions for that produced the CONDITION	1996, Central Resources, Inc. as 3 CFR 3104 for lease activities i LM Bond No. B06175. They will portion of the lease associated visition of the lease as a lease visition of the lease visition of th	d date of starting any proposed work. nent to this work.)* ssumed operatorship of the s being provided by Central be responsible for compliance with this notice.
Please be advised that effect referenced well. Bond cover Resources, Inc. under their sunder the lease terms and country that the foregoing is true and ported.	cive September 1, age pursuant to 4 statewide bond, Blonditions for that produced and the complete of the comp	1996, Central Resources, Inc. as 3 CFR 3104 for lease activities i LM Bond No. B06175. They will portion of the lease associated v	date of starting any proposed work. The second operatorship of the special provided by Central be responsible for compliance with this notice. DECEIVE NOV 2 5 1996 DIV. OF OIL, GAS & MINING Date: November 1, 1996 Ger, 1996

Central Resources, Inc. Well No. Cave Canyon 12-3 SWNW Sec. 3, T. 38 S., R. 24 E. San Juan County, Utah

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Central Resources, Inc., is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased land.

Bond coverage for this well is provided by BLM Bond UT1053 (Principle - Central Resources, Inc.) as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable <u>until</u> the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

Division of Oil, Gas and Mining **OPERATOR CHANGE WORKSHEET** 7-KDR Attach all documentation received by the division regarding this change. 8-SJ Initial each listed item when completed. Write N/A if item is not applicable. 9-FILE

			5-RJF V
	erator (well sold) □ Desi		•
☐ Designation of	Operator	rator Name Change Only	
The enemand of the	1/-> L 11 1 1 1 1	1 6 4 0 1 0 1	
The operator of the	e well(s) listed below has change	d, effective: 9-1-90	
TO: (new operator)	CENTRAL RESOURCES INC	FROM: (old operator)	GIANT EXPLOR & PROD CO
(address)	1775 SHERMAN ST STE 2600		PO BOX 2810
	DENVER CO 80203-4313		FARMINGTON NM 87499
	IRENE MARTINEZ	_	DIANE JARAMILLO
	Phone: (303)830-0100	_	Phone: (505)326-3325
•	Account no. <u>N6935</u> (10-25-96)	Account no. N0075
WELL(S) attach addit	ional page if needed: *C	AVE CANYON UNIT	
- 4-CEP ARMACIT			
Name: **SEE ATTACH	API:	_ Entity: S T	R Lease:
Name:	API:	Entity: S T	R Lease:
Name:	API:	_ Enuty: S 1	R Lease:
Name:	API:	Entity: S T	R Lease: R Lease:
Name:	API:	Entity: S T	R Lease:
Name:	API:	Entity: S T Entity: S T	R Lease:
Lec 2. (r649-8-10) to this form file number Make note operator ch	Sundry or other legal documents form). (lec'd 10-7-96) Sundry or other legal documents). (lec'd 10-7-96) ment of Commerce has been constituted. Is the company register of t	tation has been received facted if the new operatored with the state? (yes/noted). The BLM has been con of this form. BLM app	from the NEW operator (Attach above is not currently operating b) If yes, show company contacted regarding this change.
completion	of steps 5 through 9 below. ve been entered in the Oil and (•	
Let 6. Cardex file	has been updated for each well	<u>.</u>	
	bels have been updated for each		
distribution	ve been included on the month to Trust Lands, Sovereign Land	is, UGS, Tax Commission	, etc. (11-25-96)
Lee 9. A folder has for reference	s been set up for the Operator C e during routing and processing	hange file, and a copy of of the original documents	this page has been placed there s.

OPERATO	OR CHANGE WORKSHEET (continued) - Initial each item when completed. Write N/A if item is not applicable.
ENTITY	REVIEW
Lec 1.	(r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) If entity assignments were changed, attach copies of Form 6, Entity Action Form.
<u>N/A</u> 2.	Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.
BOND V	VERIFICATION - (FEE WELLS ONLY)
<u>N</u> A, 1.	(r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
2.	A copy of this form has been placed in the new and former operator's bond files.
3.	The FORMER operator has requested a release of liability from their bond (yes/no), as of today's date If yes, division response was made to this request by letter dated
	INTEREST OWNER NOTIFICATION OF RESPONSIBILITY
1.	Copies of documents have been sent on to at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
FILMIN	G
1.	All attachments to this form have been microfilmed. Today's date: 12-30-96.
FILING	
1.	Copies of all attachments to this form have been filed in each well file.
2.	The original of this form, and the original attachments are now being filed in the Operator Change file.
СОММЕ	NTS
96/125	Blm/Moab aprv. 11-19-96.
	

STATE OF UTAH						
DIVISION O	L, GAS AND MINING					

SUNDRY NOTICES AND REPORTS ON WELLS Description of proposals is off new work, deepen existing work, or to center pulpaged and soundwork with the proposals. N./A	i		•	l .	ion and Serial Number:
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1. Type of Viels OIL S GAS OTHER: 2. Name of Operator: Elm Ridge Resources, Inc. 3. Advises and Telephone Number: 312 W. LatPlata Street, Farmington, New Mexico (505) 326-7099 10. Field and Pool, or Wildsett Cave Canyon, Ismay 4. Loasting river Cave Canyon, Ismay 5. Loasting River Cave Canyon, Ismay 4. Loasting river Cave Canyon, Ismay 5. Loasting River Cave Canyon, Ismay 6. Loasting River Cave Canyon				1	Name:
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Central Resources, Inc. Name & Signature Title: Engineering Technician Date: 09/29/00	vertical depths for all markers and zones	pertinent to this work.)			
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Central Resources, Inc. Name & Signature Manual	Effective Ocober 1, 2000, o	operations of the subject well were	transferred from Central	Resources, Inc.	to Elm Ridge Resources, Inc.
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Central Resources, Inc. Name & Signature Manual					OCT 1 0 2000
Name & Signature	Central Resources Inc.				
13. Elm Ridge Resources, Inc.		Martinen	Title: Engineering T	echnician	Date: 09/29/00
Elm Ridge Resources, Inc.					
		•			
	\sim 1/ /	y Zully	Title: Operations Ma	nager	Date: 09/29/00
) 			

(This space for State use only)

Form 3160-5

(June, 1990)

NITED STATES **DEPARTMENT OF THE INTERIOR**

BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

UTU47876

			pen or reentry to a different reservoir.		If Indian, Allotte or Tribe Name
	PLICATION FOR PE	RMIT"	for such proposals		
	IN TRIPLICATE			7.	If Unit or CA, Agreement Designation
. Type of Well	-	_	1		
X Oil Well	Gas Well		Other	8.	Well Name and No.
Name of Operator				<u> </u>	ave Canyon 12-3
Elm Ridge Resources, I	nc.			9.	API Well No.
Address and Telephone No.				4	3-037-31567
312 W. LaPlata Street, F			60 (505) 326-7099	10	. Field and Pool, or Exploratory Area
Location of Well (Footage, T, R, M, o	or Survey Description	n)		C	ave Canyon, Ismay
310' FNL & 1300' FWL				11	. County or Parish, State
W NW Sec. 3-T38S-R24E					an Juan, NM
CHECK APPROPRIA	TE BOX(s) TO IN	DICAT	E NATURE OF NOTICE, REPORT	r, or oth	ER DATA
TYPE OF SUBMISSION			TYPE OF ACTION		
			Abandonment		Change of Plans
Notice of Intent			Recompletion		New Construction
			Plugging Back		Non-Routine Fracturing
Subsequent Report	,	ا ا	Casing Repair		Nater Shut-Off
			Altering Casing		Conversion to Injection
Final Abandonment Notice			Surface Casing/Cementing		Dispose Water
		Х	Other: CHANGE OF OPERATOR	(Note: Re	port results of multiple completion on Well
				Completi	on or Recompletion Report and Log form).
If well is directionally drilled, give subsurface	e locations and measure	ed and tru	tails, and give pertinent dates, including estinue vertical depths for all markets and zones posteriors. In a climate of the control of the c	nated date of pertinent to thi	starting any proposed work.
If well is directionally drilled, give subsurface lease be advised that affect referenced well. Bond cover esources, Inc. under their s	e locations and measure tive October 1; rage pursuant t statewide bond	, 2009 to 43 I, BLN	, Elm Ridge Resources, Inc CFR 3104 for lease activitie Bond No. Boores . They w	nated date of pertinent to thi c. assum es is beir vill be	ed operatorship of the
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ease be advised that affectionally drilled, give subsurface ease be advised that affection for the ferenced well. Bond cover esources, Inc. under their second cover the lease terms and co	tive October 1; rage pursuant statewide bond onditions for the	2000 to 43 I, BLM nat po	e vertical depths for all markets and zones proceed. Fig. Elm Ridge Resources, Inc. CFR 3104 for lease activities. Bond No. Bosros. They was prion of the lease associated in ed. 3/20/01 perator effective at UT1216	assumes is being will be ed with the JUN	ed operatorship of the g provided by ElmBidge his notice.
ease be advised that vifectionally drilled, give subsurface ease be advised that vifection ferenced well. Bond cover esources, Inc. under their suder the lease terms and conditions and conditions are supplied to the lease terms are	tive October 1; rage pursuant statewide bond onditions for the	2000 to 43 I, BLM nat po	e vertical depths for all markets and zones proceed. Fig. Elm Ridge Resources, Inc. CFR 3104 for lease activities. Bond No. Bosros. They was prion of the lease associated in ed. 3/20/01 perator effective at UT1216	assumes is being will be ed with the JUN	ed operatorship of the g provided by ElmBidge his notice.
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lease be advised that affect eferenced well. Bond cover esources, Inc. under their sander the lease terms and control to the lease terms are the lease terms and control to the lease terms are the lease terms	tive October 1, rage pursuant restatewide bond onditions for the Band oke Thange co	2000 to 43 I, BLM nat po	Perator effective LT 1216 Title: Operations Manager	JUN DIVI	ed operatorship of the g provided by ElmBidge his notice.
lease be advised that affect ferenced well. Bond cover esources, inc. under their sander the lease terms and conditions are the lease terms and conditions are the lease terms and conditions are the lease terms are conditions. Thereby certify that the foregoing is true and conditions are the lease to frequently state office (This space for frequently state office).	tive October 1, rage pursuant restatewide bond onditions for the Band oke Thange co	2000 to 43 I, BLM nat po	Per de la company de la company de vertical depths for all markets and zones process. In company de la company de	JUN DIVI	ed operatorship of the g provided by Elm Bidge his notice.
lease be advised that affect eferenced well. Bond cover esources, Inc. under their sander the lease terms and control to the lease terms are the lease terms and control to the lease terms are the lease terms	tive October 1, rage pursuant restatewide bond onditions for the Band oke Thange co	2000 to 43 I, BLM nat po	Perator effective LT 1216 Title: Operations Manager	JUN DIVI	ed operatorship of the g provided by Elm Bidge his notice.

statements or representations as to any matter within its jurisdiction.

Elm Ridge Resources, Inc. Well No. Cave Canyon 12-3 SWNW Sec. 3, T. 38 S., R. 24 E. Lease UTU47876 San Juan County, Utah

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Elm Ridge Resources, Inc. is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UT1216 (Principal - Elm Ridge Resources, Inc.) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable <u>until</u> the provisions of 43 CFR 3106.7-2 continuing responsibility are met.



JUN 1 1 2001

DIVISION OF OIL, GAS AND MINING

Division of Oil	Gas and	Mining
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OPERATOR CHANGE WORKSHEET

Enter date after each listed item is completed

X Change of Operator (Well Sold)

or operator change for all wells listed on Federal or Indian leases on:

for wells listed on:

Federal and Indian Units: The BLM or BIA has approved the successor of unit operator

N/A

Operator Name Change (Only)

ROUTING

ROULING	 	
1. GLH	 4-KAS	
2. CDW -	 5-LID	6/25
3. JLT	6-FILE	

Designation of Agent

Merger

FROM: (Old Operator):		TO: (Ne	w Operator):			
CENTRAL RESOURCES INC	`		GE RESOUR	CES INC		
Address: P. O. BOX 189			P. O. BOX 1			
1444055.1.0.0011109	1	Addiess.	1. O. BOX 1			
FARMINGTON, NM 87499-189		FARMING	GTON, NM 87	7499-189		
Phone: 1-(505)-632-3476	1	Phone:	1-(505)-632-			
Account N6935	1	Account	N1440		· · · · · · · · · · · · · · · · · · ·	
CA No.		Unit:	CAVE CAN	YON PROJI	ECT	
WELL(S)	_					
	API NO.	ENTITY	SEC. TWN	LEASE	WELL	WELL
NAME		NO.	RNG	TYPE	TYPE	STATUS
CAVE CANYON 1-33	43-037-31276	9775	33-37S-24E	FEDERAL	OW	P
CAVE CANYON 3-2	43-037-31120	9775	03-38S-24E	FEDERAL	OW	P
CAVE CANYON 3-3	43-037-31413	9775	03-38S-24E	The second secon	OW	S
CAVE CANYON 12-3	43-037-31567	9775	03-38S-24E	FEDERAL	OW	S
CAVE CANYON 13-3	43-037-31766	9775	03-38S-24E	FEDERAL	OW	S
CAVE CANYON 1-4	43-037-31028	9775	04-38S-24E	FEDERAL	OW	P
CAVE CANYON 4-3	43-037-31414	9775	04-38S-24E	FEDERAL		S
CAVE CANYON 4-4	43-037-31539	9775	04-38S-24E	FEDERAL		P
CAVE CANYON 4-5	43-037-31695	9775	04-38S-24E	FEDERAL	ow	P
OPERATOR CHANGES DOCUMENT	ATION					
1. (R649-8-10) Sundry or legal documentation wa	as received from the FOR N	MER operator	on:	10/10/2000		
(and the state of	is received from the Fort	ABIC operator	OII.	10/10/2000		
2. (R649-8-10) Sundry or legal documentation wa	as received from the NEW	operator on:		10/10/2000		
3. The new company has been checked through the	ne Department of Comme	rce, Division	of Corporation	ons Database	on:	06/12/200
4. Is the new operator registered in the State of U	t YES	Business 1	Number:	4830075-115	50	
	n:					

06/06/2001

8.	Federal and Indian Communization Agreements ("CA"): The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A								
9.	Underground Injection Control ("U. The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A								
$\overline{\mathbf{D}}$	ATA ENTRY:								
1.	Changes entered in the Oil and Gas Database 06/12/2001								
2.	Changes have been entered on the Monthly Operator Change Spread Sheet on:								
3.	Bond information entered in RBDMS on: N/A								
4.	Fee wells attached to bond in RBDMS on: N/A								
ST	TATE BOND VERIFICATION:								
	State well(s) covered by Bond No.: N/A								
FI	EE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:								
	(R649-3-1) The NEW operator of any fee well(s) listed has furnished a bond: N/A								
2.	The FORMER operator has requested a release of liability from their bond on: N/A The Division sent response by letter on: N/A								
3.	(R649-2-10) The FORMER operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A								
	FILMING: 1. All attachments to this form have been MICROFILMED on: 7.12.07								
	FILING: 1. ORIGINALS/COPIES of all attachments pertaining to each individual well have been filled in each well file on:								
CC	COMMENTS:								

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

STATISTICAL CITE, CAG MAD MINANG	5. LEASE DESIGNATION AND SERIAL NUMBER:								
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:								
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to	7. UNIT or CA AGREEMENT NAME:								
1 TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER:								
2 NAME OF OPERATOR:	See attached Exhibit "A"								
Elm Ridge Exploration Company, LLC N3985	9. API NUMBER:								
12225 Greenville, Suite 950 CITY Dallas STATE TX ZIP 75243 PHONE NUMBER: (972) 889-2100	10. FIELD AND POOL, OR WILDCAT:								
4. LOCATION OF WELL STATE 17 ZIP 1 0 2 10 0 5 - 2 10 0									
FOOTAGES AT SURFACE:	COUNTY:								
QTRIQTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH								
11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO									
	KI, UR OTHER DATA								
TYPE UP ACTION									
(Submit in Duplicate)	REPERFORATE CURRENT FORMATION								
Approximate date work will start	SIDETRACK TO REPAIR WELL								
NEW CONSTRUCTION	TEMPORARILY ABANDON								
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR								
CHANGE TUBING PLUG AND ABANDON SUBSEQUENT REPORT CHANGE WELL NAME	VENT OR FLARE								
(Submit Original Form Only) CHANGE WELL NAME PLUG BACK	WATER DISPOSAL								
Date of work completion: CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF								
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER:								
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION									
12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume									
Effective Echapan 19, 2005. The Distance Description of an pertinent details including dates, depths, volume	es, etc.								
Effective February 18, 2005, Elm Ridge Resources, Inc. transferred all responsibility of Operathe attached Exhibit "A" to Elm Ridge Exploration Company, LLC.	ations for the wells described on								
and attached Exhibit A to Elif Ridge Exploration Company, LLC.									
Current Operator:									
Name Elm Ridge Resources, Inc. N/440 Title Land Manag	er								
Signature Cathleen Colla Date December 1	2005								
New Operator:									
	er								
SIGNATURE COHN COLLY DATE December 1	2005								
This space for State use only)									

RECEIVED

DEC 0 5 2005

Exhibit "A" Operator Change Effective February 18, 2005

	1	I	T	T	T	T	1			
Old Operator:	Elm Ridge Resour	ces, Inc.								
New Operator:	Elm Ridge Exploration Company, LLC									
Lease Designation /	Indian, Allottee	Unit or CA	Well Name			Field and Pool	Location of Well	1/41/4 Section		
Serial Number	or Tribe Name	Agreement	and Number	API Number	Type Well	or Wildcat	Footages at Surface	Township, Range	County	State
14-20-603-239A	Navajo	Gothic Mesa Unit	Gothic Mesa 7-41	43-037-15032	Oil Well	Gothic Mesa	625' FNL, 710' FEL	NENE-7-41S-23E	San Juan	UT
14-20-603-239A	Navajo	Gothic Mesa Unit	Gothic Mesa 6-34	43-037-15034	Oil Well	Gothic Mesa	660' FSL, 1980' FEL	SWSE-6-41S-23E	San Juan	UT
14-20-603-240	Navajo	Gothic Mesa Unit	Gothic Mesa 17-31	43-037-15040	Oil Well	Gothic Mesa	820' FNL, 2140' FEL	NWNE-17-41S-23E	San Juan	UT
UTU-47876	N/A	N/A	Wells Federal 1-4	43-037-31028	Oil Well	Cave Canyon	500' FNL, 500' FEL	NENE-4-38S-24E	San Juan	UT
UTU-47876	N/A	N/A	Cave Canyon 3-2	43-037-31120	Oil Well	Cave Canyon	1925' FSL, 1925' FWL	NESW-3-38S-24E	San Juan	UT
UTU-47876	N/A	N/A	Cave Canyon 1-33	43-037-31276	Oil Well	Cave Canyon	535' FSL, 2025' FEL	SWSE-33-37S-24E	San Juan	UT
UTU-47876	N/A	N/A	Cave Canyon 3-3	43-037-31413	Oil Well	Cave Canyon	2635' FNL, 1390' FWL	SENW-3-38S-24E	San Juan	J
UTU-47876	N/A	N/A	Cave Canyon Federal 4-3	43-037-31414	Oil Well	Cave Canyon	1310' FNL, 200' FEL	NENE-4-38S-24E	San Juan	UT
ST of UT ML-43698	N/A	N/A	Gage Foster 1	43-037-31463	Oil Well	Road Canyon	2180' FNL, 1780' FWL	SENW-32-37S-23E	San Juan	UT
UTU-47876	N/A	N/A	Cave Canyon 4-4	43-037-31539	Oil Well	Cave Canyon	1150' FNL, 1070' FEL	NENE-4-38S-24E	San Juan	UT
UTU-47876	N/A	N/A	Cave Canyon Federal 12-3	43-037-31567	Oil Well	Cave Canyon	1610' FNL, 1300' FWL	SWNW-3-38S-24E	San Juan	IJT.
14-20-603-239	Navajo	Gothic Mesa Unit	Gothic Mesa 6-43	43-037-31643	Oil Well	Gothic Mesa	1900' FSL, 500' FEL	NESE-6-41S-23E	San Juan	J
UTU-47876	N/A	N/A	Cave Canyon Federal 4-5	43-037-31695	Oil Well	Cave Canyon	50' FNL, 1800' FEL	NWNE-4-38S-24E	San Juan	5
UTU-47876	N/A	N/A	Cave Canyon 13-3	43-037-31766	Oil Well	Cave Canyon	2045' FSL, 1180' FWL	NWSW-3-38S-24E	San Juan	UT
UTU-47876	N/A	. N/A	WSW. No. 1	43-037-31820	Water Source	Cave Canyon	1800' FSL, 1845' FWL	NESW-3-38S-24E	San Juan	UT
UTU-47876	N/A	N/A	Cave Canyon 3-1	43-037-31095	Water Injection	Cave Canyon	2140' FNL, 200' FWL	SWNW-3-38S-24E	San Juan	UT
14-20-603-243	Navajo	Gothic Mesa Unit	Gothic Mesa 16-11	43-037-15042	Water Disposal	Gothic Mesa	500' FNL, 500' FWL	NWNW-16-41S-23E	San Juan	UT

OPERATOR CHANGE WORKSHEET

1. DJJ 2. CDW

ROUTING

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has change	2/18/2005							
FROM: (Old Operator):	TO: (New Op	TO: (New Operator):						
N1440-Elm Ridge Resources, Inc.	N2985-Elm Ric		on Compan	v LLC				
12225 Greenville, Suite 950				12225 (Greenville, Su	ite 950), LLC	
Dallas, TX 75243					TX 75243	.100 /50		
Phone: 1-(972) 899-2100	Phone: 1-(972)							
CA No.			Unit: CAVE CANYON WATER FLOOD					
WELL(S)								
NAME	SEC	TWN	RNG	API NO	ENTITY	LEASE	WELL	WELL
					NO	TYPE	TYPE	STATUS
	33	370S	240E	4303731276		Federal	ow	P
	03	380S		4303731095		Federal	WI	A
	03	380S		4303731120		Federal	ow	P
CAVE CANYON 3-3	03	380S		4303731413		Federal	ow	S
CAVE CANYON FED 12-3	03	380S		4303731567		Federal	ow	P
CAVE CANYON 13-3	03	380S		4303731766		Federal	ow	P
WSW NO 1	03	380S		4303731820		Federal	ws	
WELLS FED 1-4	04	380S		4303731028		Federal	ow	A P
CAVE CANDION FROM		380S		4303731414		Federal	ow	1
CAVE CANYON FED 4-4		380S		4303731539		Federal	ow	S P
CAVE CANYON FED 4-5	04	380S		4303731695		Federal	ow	P
			- 102	1303731073	9113	redetat	OW	P
							 	
							 	
							 	
							 	
							 	
							<u> </u>	
					<u> </u>			<u> </u>
		·					-	
							<u> </u>	<u> </u>
OPERATOR CHANGES DOCUMENTATIO	N							
Enter date after each listed item is completed								
1. (R649-8-10) Sundry or legal documentation was received	ved f	rom the	FORM	IER operator on	•	12/5/2005		
2. (R649-8-10) Sundry or legal documentation was received	ved fi	rom the	NEW (operator on:	•	12/5/2005	-	
					•	12/3/2003	-	
3. The new company was checked on the Department of Commerce, Division of Corporations Database on: 12/8/2005								
4. Is the new operator registered in the State of Utah:				Business Numbe		853806-016	C1	12/0/2005
5. If NO, the operator was contacted contacted on:		•		_ *************************************	. J.	33300-010	-	
6. (B(40.0.0))								
6a. (R649-9-2)Waste Management Plan has been received	requested 10/8/05							
6b. Inspections of LA PA state/fee well sites complete on:				n/a	all pa wells a			
6c. Reports current for Production/Disposition & Sundries			-	ok	P= Weils a	AIMIUII		ć
			-					

7.	Federal and Indian Lease Wells: The BLM and or the BL or operator change for all wells listed on Federal or Indian leases on:	A has approved the not yet	merger, name change,					
8.	. Federal and Indian Units: The BLM or BIA has approved the successor of unit operator for wells listed on: not yet							
9.	Federal and Indian Communization Agreements ("Ca The BLM or BIA has approved the operator for all wells listed with		n/a					
10	D. Underground Injection Control ("UIC") The Division for the enhanced/secondary recovery unit/project for the water disposed.		Form 5, Transfer of Authority to Inject, 12/7/2005					
$\overline{\mathbf{D}}_{\lambda}$	ATA ENTRY:							
1.	Changes entered in the Oil and Gas Database on:	12/8/2005						
2.	Changes have been entered on the Monthly Operator Change Spre	12/8/2005						
3.	Bond information entered in RBDMS on:	12/8/2005						
4.	Fee/State wells attached to bond in RBDMS on:	12/8/2005						
5.	Injection Projects to new operator in RBDMS on:	12/8/2005						
6.	Receipt of Acceptance of Drilling Procedures for APD/New on:		n/a					
FI	EDERAL WELL(S) BOND VERIFICATION: Federal well(s) covered by Bond Number:	UT00126						
	IDIAN WELL(S) BOND VERIFICATION: Indian well(s) covered by Bond Number:	886936C						
	EE & STATE WELL(S) BOND VERIFICATION: (R649-3-1) The NEW operator of any fee well(s) listed covered by B	1116000107						
2.	The FORMER operator has requested a release of liability from their The Division sent response by letter on:	bond on:	n/a					
	EASE INTEREST OWNER NOTIFICATION:							
3.	(R649-2-10) The FORMER operator of the fee wells has been contact of their responsibility to notify all interest owners of this change on:	ted and informed by a n/a	letter from the Division					
CC	DMMENTS:							